

Oxidant Liquid

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).
Date of Issue: 07/20/2017 Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Oxidant Liquid

Product Code: KO0001

Intended Use of the Product

Oxidant to be mixed with the RefectoCil tints before applying onto the eyelashes and eyebrows.

Use Of The Substance/Mixture: For professional use only.

Name, Address, and Telephone of the Responsible Party

Company

CBON – Cosmetic Brands of North America Inc
5B – 1255B Reid Street
Richmond Hill, ON L4B 1G1
(905) 771-6115
<https://www.cboncanada.com/>

Manufacturer

GW Cosmetics GmbH
Achauerstrasse 49a
Leopoldsdorf, 2333 Austria
+43 2235 47 9400

Emergency Telephone Number No additional information available

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS-US/CA Classification

HHNOC 1

Full text of hazard classes and H-statements : see section 16

Label Elements

GHS-US/CA Labeling

Signal Word (GHS-US/CA) : Danger

Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Water	(CAS-No.) 7732-18-5	96.7757748	Not classified
Hydrogen peroxide	(CAS-No.) 7722-84-1	3.00999895	HHNOC 1 Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Triethanolamine	(CAS-No.) 102-71-6	0.120057	Not classified
Phosphoric acid	(CAS-No.) 7664-38-2	0.05649525	HHNOC 1 Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402
Alcohols, C12-13, branched and linear,	(CAS-No.) 160901-19-	0.037674	Aquatic Acute 1, H400

Oxidant Liquid

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

ethoxylated	9		Aquatic Chronic 3, H412
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Full text of H-phrases: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES

Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes eye irritation.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: Prolonged exposure may cause skin irritation.

Eye Contact: Stinging, tearing, redness, and swelling of eyes.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Not available

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Not available

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

Oxidant Liquid

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Specific End Use(s)

Oxidant to be mixed with the RefectoCil tints before applying onto the eyelashes and eyebrows .For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Hydrogen peroxide (7722-84-1)		
Mexico	OEL TWA (mg/m ³)	1.5 mg/m ³
Mexico	OEL TWA (ppm)	1 ppm
Mexico	OEL STEL (mg/m ³)	3 mg/m ³
Mexico	OEL STEL (ppm)	2 ppm
USA ACGIH	ACGIH TWA (ppm)	1 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA OSHA	OSHA PEL (TWA) (mg/m ³)	1.4 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	1 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	1.4 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	1 ppm
USA IDLH	US IDLH (ppm)	75 ppm
Alberta	OEL TWA (mg/m ³)	1.4 mg/m ³
Alberta	OEL TWA (ppm)	1 ppm
British Columbia	OEL TWA (ppm)	1 ppm
Manitoba	OEL TWA (ppm)	1 ppm
New Brunswick	OEL TWA (mg/m ³)	1.4 mg/m ³
New Brunswick	OEL TWA (ppm)	1 ppm
Newfoundland & Labrador	OEL TWA (ppm)	1 ppm
Nova Scotia	OEL TWA (ppm)	1 ppm
Nunavut	OEL STEL (ppm)	2 ppm
Nunavut	OEL TWA (ppm)	1 ppm
Northwest Territories	OEL STEL (ppm)	2 ppm
Northwest Territories	OEL TWA (ppm)	1 ppm
Ontario	OEL TWA (ppm)	1 ppm

Oxidant Liquid

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Prince Edward Island	OEL TWA (ppm)	1 ppm
Québec	VEMP (mg/m ³)	1.4 mg/m ³
Québec	VEMP (ppm)	1 ppm
Saskatchewan	OEL STEL (ppm)	2 ppm
Saskatchewan	OEL TWA (ppm)	1 ppm
Yukon	OEL STEL (mg/m ³)	2.8 mg/m ³
Yukon	OEL STEL (ppm)	2 ppm
Yukon	OEL TWA (mg/m ³)	1.5 mg/m ³
Yukon	OEL TWA (ppm)	1 ppm
Triethanolamine (102-71-6)		
USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
Alberta	OEL TWA (mg/m ³)	5 mg/m ³
British Columbia	OEL TWA (mg/m ³)	5 mg/m ³
Manitoba	OEL TWA (mg/m ³)	5 mg/m ³
New Brunswick	OEL TWA (mg/m ³)	5 mg/m ³
Newfoundland & Labrador	OEL TWA (mg/m ³)	5 mg/m ³
Nova Scotia	OEL TWA (mg/m ³)	5 mg/m ³
Nunavut	OEL STEL (mg/m ³)	10 mg/m ³
Nunavut	OEL TWA (mg/m ³)	5 mg/m ³
Northwest Territories	OEL STEL (mg/m ³)	10 mg/m ³
Northwest Territories	OEL TWA (mg/m ³)	5 mg/m ³
Ontario	OEL TWA (mg/m ³)	3.1 mg/m ³
Ontario	OEL TWA (ppm)	0.5 ppm
Prince Edward Island	OEL TWA (mg/m ³)	5 mg/m ³
Québec	VEMP (mg/m ³)	5 mg/m ³
Saskatchewan	OEL STEL (mg/m ³)	10 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	5 mg/m ³
Phosphoric acid (7664-38-2)		
Mexico	OEL TWA (mg/m ³)	1 mg/m ³
Mexico	OEL STEL (mg/m ³)	3 mg/m ³
USA ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³
USA ACGIH	ACGIH STEL (mg/m ³)	3 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	1 mg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	1 mg/m ³
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	3 mg/m ³
USA IDLH	US IDLH (mg/m ³)	1000 mg/m ³
Alberta	OEL STEL (mg/m ³)	3 mg/m ³
Alberta	OEL TWA (mg/m ³)	1 mg/m ³
British Columbia	OEL STEL (mg/m ³)	3 mg/m ³
British Columbia	OEL TWA (mg/m ³)	1 mg/m ³
Manitoba	OEL STEL (mg/m ³)	3 mg/m ³
Manitoba	OEL TWA (mg/m ³)	1 mg/m ³
New Brunswick	OEL STEL (mg/m ³)	3 mg/m ³
New Brunswick	OEL TWA (mg/m ³)	1 mg/m ³
Newfoundland & Labrador	OEL STEL (mg/m ³)	3 mg/m ³
Newfoundland & Labrador	OEL TWA (mg/m ³)	1 mg/m ³
Nova Scotia	OEL STEL (mg/m ³)	3 mg/m ³
Nova Scotia	OEL TWA (mg/m ³)	1 mg/m ³
Nunavut	OEL STEL (mg/m ³)	3 mg/m ³
Nunavut	OEL TWA (mg/m ³)	1 mg/m ³
Northwest Territories	OEL STEL (mg/m ³)	3 mg/m ³

Oxidant Liquid

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Northwest Territories	OEL TWA (mg/m ³)	1 mg/m ³
Ontario	OEL STEL (mg/m ³)	3 mg/m ³
Ontario	OEL TWA (mg/m ³)	1 mg/m ³
Prince Edward Island	OEL STEL (mg/m ³)	3 mg/m ³
Prince Edward Island	OEL TWA (mg/m ³)	1 mg/m ³
Québec	VECD (mg/m ³)	3 mg/m ³
Québec	VEMP (mg/m ³)	1 mg/m ³
Saskatchewan	OEL STEL (mg/m ³)	3 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	1 mg/m ³
Yukon	OEL STEL (mg/m ³)	3 mg/m ³
Yukon	OEL TWA (mg/m ³)	1 mg/m ³

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: None required under normal product handling conditions.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Colorless, Transparent
Odor	: Not available
Odor Threshold	: Not available
pH	: 4 - 6
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20°C	: Not available
Relative Density	: Not available
Specific Gravity	: 1.00-1.01 g/ml
Solubility	: Not available

Oxidant Liquid

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Partition Coefficient: N-Octanol/Water : Not available

Viscosity : Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products: Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Not classified.

pH: 4 - 6

Eye Damage/Irritation: Not classified.

pH: 4 - 6

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: Stinging, tearing, redness, and swelling of eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Hydrogen peroxide (7722-84-1)	
LD50 Oral Rat	1193 mg/kg (Species: Sprague-Dawley; Exposure time: 4 h)
LD50 Dermal Rat	4060 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
ATE US/CA (dust, mist)	1.50 mg/l/4h
Triethanolamine (102-71-6)	
LD50 Oral Rat	6400 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
Phosphoric acid (7664-38-2)	
LD50 Oral Rat	1530 mg/kg
LD50 Dermal Rabbit	2740 mg/kg
LC50 Inhalation Rat	> 850 mg/m ³ (Exposure time: 1 h)
Hydrogen peroxide (7722-84-1)	
IARC Group	3
Triethanolamine (102-71-6)	
IARC Group	3

Oxidant Liquid

Safety Data Sheet

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SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Not classified.

Hydrogen peroxide (7722-84-1)	
LC50 Fish 1	16.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	18 - 32 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	18 - 56 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
Triethanolamine (102-71-6)	
LC50 Fish 1	10600 (10600 - 13000) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 Fish 2	1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
ErC50 (algae)	169 mg/l

Persistence and Degradability

Oxidant Liquid	
Persistence and Degradability	Not established.

Bioaccumulative Potential

Oxidant Liquid	
Bioaccumulative Potential	Not established.
Hydrogen peroxide (7722-84-1)	
BCF Fish 1	(no bioaccumulation)
Triethanolamine (102-71-6)	
BCF Fish 1	3.9
Log Pow	-2.53

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In Accordance with DOT Not regulated for transport

In Accordance with IMDG Not regulated for transport

In Accordance with IATA Not regulated for transport

In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Hydrogen peroxide (7722-84-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on the United States SARA Section 302	
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb (concentration >52%)
Triethanolamine (102-71-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Phosphoric acid (7664-38-2)	

Oxidant Liquid

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Listed on the United States TSCA (Toxic Substances Control Act) inventory	
CERCLA RQ	5000 lb

US State Regulations

Hydrogen peroxide (7722-84-1)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List
Triethanolamine (102-71-6)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
Phosphoric acid (7664-38-2)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List

Canadian Regulations

Water (7732-18-5)
Listed on the Canadian DSL (Domestic Substances List)
Hydrogen peroxide (7722-84-1)
Listed on the Canadian DSL (Domestic Substances List)
Triethanolamine (102-71-6)
Listed on the Canadian DSL (Domestic Substances List)
Phosphoric acid (7664-38-2)
Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 07/20/2017

Revision

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
HHNOC 1	Health hazard not otherwise classified, category 1
Met. Corr. 1	Corrosive to metals Category 1
Ox. Liq. 1	Oxidizing liquids Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H271	May cause fire or explosion; strong oxidizer
H290	May be corrosive to metals
H302	Harmful if swallowed

Oxidant Liquid

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

NA GHS SDS 2015 (Can, US, Mex)

Tint remover

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).
Date of Issue: 07/20/2017 Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Tint remover

Product Code: KO0004

Intended Use of the Product

Aqueous solution of active agents for cleaning the skin from stains of oxidant based eyelash and eyebrow tints

Name, Address, and Telephone of the Responsible Party

Company

CBON – Cosmetic Brands of North America Inc
5B – 1255B Reid Street
Richmond Hill, ON L4B 1G1
(905) 771-6115
<https://www.cboncanada.com/>

Manufacturer

GW Cosmetics GmbH
Achauerstrasse 49a
Leopoldsdorf, 2333 Austria
+43 2235 47 9400

Emergency Telephone Number No additional information available

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS-US/CA Classification

Flam. Liq. 2 H225
Eye Irrit. 2A H319
Skin Sens. 1 H317

Full text of hazard classes and H-statements : see section 16

Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)



Signal Word (GHS-US/CA)

: Danger

Hazard Statements (GHS-US/CA)

: H225 - Highly flammable liquid and vapor.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.

Precautionary Statements (GHS-US/CA)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical, ventilating, and lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take action to prevent static discharges.
P261 - Avoid breathing vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, and eye protection.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see section 4 on this SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.

Tint remover

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Water	(CAS-No.) 7732-18-5	84.47	Not classified
Isopropyl alcohol	(CAS-No.) 67-63-0	14	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivatives	(CAS-No.) 9005-65-6	1.3	Not classified
Lemon, extract	(CAS-No.) 84929-31-7	0.15	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Oils, Litsea cubeba	(CAS-No.) 68855-99-2	0.08	Not classified

Full text of H-phrases: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES

Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes serious eye irritation. Skin sensitization.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Not available

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water may be ineffective but water should be used to keep fire-exposed container cool.

Tint remover

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Highly flammable liquid and vapor.

Explosion Hazard: May form flammable or explosive vapor-air mixture.

Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Not available

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid breathing (vapor, mist, spray). Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area. Eliminate ignition sources.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools. Clean up spills immediately and dispose of waste safely.

Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable.

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid contact with skin, eyes and clothing.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

Storage Conditions: Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Specific End Use(s)

Aqueous solution of active agents for cleaning the skin from stains of oxidant based eyelash and eyebrow tints

Tint remover

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Isopropyl alcohol (67-63-0)		
Mexico	OEL TWA (mg/m ³)	980 mg/m ³
Mexico	OEL TWA (ppm)	400 ppm
Mexico	OEL STEL (mg/m ³)	1225 mg/m ³
Mexico	OEL STEL (ppm)	500 ppm
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	400 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	Biological Exposure Indices (BEI)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)
USA OSHA	OSHA PEL (TWA) (mg/m ³)	980 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	980 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	1225 mg/m ³
USA NIOSH	NIOSH REL (STEL) (ppm)	500 ppm
USA IDLH	US IDLH (ppm)	2000 ppm (10% LEL)
Alberta	OEL STEL (mg/m ³)	984 mg/m ³
Alberta	OEL STEL (ppm)	400 ppm
Alberta	OEL TWA (mg/m ³)	492 mg/m ³
Alberta	OEL TWA (ppm)	200 ppm
British Columbia	OEL STEL (ppm)	400 ppm
British Columbia	OEL TWA (ppm)	200 ppm
Manitoba	OEL STEL (ppm)	400 ppm
Manitoba	OEL TWA (ppm)	200 ppm
New Brunswick	OEL STEL (mg/m ³)	1230 mg/m ³
New Brunswick	OEL STEL (ppm)	500 ppm
New Brunswick	OEL TWA (mg/m ³)	983 mg/m ³
New Brunswick	OEL TWA (ppm)	400 ppm
Newfoundland & Labrador	OEL STEL (ppm)	400 ppm
Newfoundland & Labrador	OEL TWA (ppm)	200 ppm
Nova Scotia	OEL STEL (ppm)	400 ppm
Nova Scotia	OEL TWA (ppm)	200 ppm
Nunavut	OEL STEL (ppm)	400 ppm
Nunavut	OEL TWA (ppm)	200 ppm
Northwest Territories	OEL STEL (ppm)	400 ppm
Northwest Territories	OEL TWA (ppm)	200 ppm
Ontario	OEL STEL (ppm)	400 ppm
Ontario	OEL TWA (ppm)	200 ppm
Prince Edward Island	OEL STEL (ppm)	400 ppm
Prince Edward Island	OEL TWA (ppm)	200 ppm
Québec	VECD (mg/m ³)	1230 mg/m ³
Québec	VECD (ppm)	500 ppm
Québec	VEMP (mg/m ³)	985 mg/m ³
Québec	VEMP (ppm)	400 ppm

Tint remover

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Saskatchewan	OEL STEL (ppm)	400 ppm
Saskatchewan	OEL TWA (ppm)	200 ppm
Yukon	OEL STEL (mg/m ³)	1225 mg/m ³
Yukon	OEL STEL (ppm)	500 ppm
Yukon	OEL TWA (mg/m ³)	980 mg/m ³
Yukon	OEL TWA (ppm)	400 ppm

Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.

Personal Protective Equipment: Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: None required under normal product handling conditions.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Colorless, Transparent
Odor	: Not available
Odor Threshold	: Not available
pH	: 5 - 6
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: 32.7 °C (90.86 °F)
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20°C	: Not available
Relative Density	: Not available
Specific Gravity	: 0.96-0.99 g/ml
Solubility	: Not available
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion.

Tint remover

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Chemical Stability: Extremely flammable liquid and vapor. May form flammable or explosive vapor-air mixture.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products: Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Not classified

pH: 5 - 6

Eye Damage/Irritation: Causes serious eye irritation.

pH: 5 - 6

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Isopropyl alcohol (67-63-0)	
LD50 Dermal Rabbit	4059 mg/kg
LC50 Inhalation Rat	72600 mg/m ³ (Exposure time: 4 h)
LC50 Inhalation Rat	72.5 mg/l/4h
Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivatives (9005-65-6)	
LD50 Oral Rat	37.605 g/kg
ATE US/CA (oral)	37,605.00 mg/kg body weight
Oils, Litsea cubeba (68855-99-2)	
LD50 Oral Rat	> 5 g/kg
Isopropyl alcohol (67-63-0)	
IARC Group	3

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Not classified.

Isopropyl alcohol (67-63-0)	
LC50 Fish 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
LC50 Fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

Tint remover

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Persistence and Degradability

Tint remover	
Persistence and Degradability	Not established.

Bioaccumulative Potential

Tint remover	
Bioaccumulative Potential	Not established.
Isopropyl alcohol (67-63-0)	
Log Pow	0.05 (at 25 °C)

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations

Additional Information: Handle empty containers with care because residual vapors are flammable.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In Accordance with DOT

Proper Shipping Name : ISOPROPANOL Solution
Hazard Class : 3
Identification Number : UN1219
Label Codes : 3
Packing Group : II
ERG Number : 129



In Accordance with IMDG

Proper Shipping Name : ISOPROPANOL Solution
Hazard Class : 3
Identification Number : UN1219
Label Codes : 3
Packing Group : II
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-D



In Accordance with IATA

Proper Shipping Name : ISOPROPANOL Solution
Identification Number : 3
Hazard Class : UN1219
Label Codes : 3
Packing Group : II
ERG Code (IATA) : 3L



In Accordance with TDG

Proper Shipping Name : ISOPROPANOL Solution
Hazard Class : 3
Identification Number : UN1219
Label Codes : 3
Packing Group : II



SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Tint remover

Tint remover

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard
Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Isopropyl alcohol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
SARA Section 313 - Emission Reporting	1 % (only if manufactured by the strong acid process, no supplier notification)
Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivatives (9005-65-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).
Oils, Litsea cubeba (68855-99-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

US State Regulations

Isopropyl alcohol (67-63-0)
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List

Canadian Regulations

Water (7732-18-5)
Listed on the Canadian DSL (Domestic Substances List)
Isopropyl alcohol (67-63-0)
Listed on the Canadian DSL (Domestic Substances List)
Sorbitan, mono-(9Z)-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivatives (9005-65-6)
Listed on the Canadian DSL (Domestic Substances List)
Lemon, extract (84929-31-7)
Listed on the Canadian DSL (Domestic Substances List)
Oils, Litsea cubeba (68855-99-2)
Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest : 07/20/2017

Revision

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3

Tint remover

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

NA GHS SDS 2015 (Can, US, Mex)

Safety Data Sheet

according to 29 CFR 1910.1200(g)

Revision date: 04.08.2017

RefectoCil black

Product code: FA0010

Page 1 of 9

1. Identification**Product identifier**

RefectoCil black

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Cosmetics

Uses advised against

Any non-intended use.

Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH

Street: Achauerstrasse 49a

Place: A-2333 Leopoldsdorf

Telephone: +43 / 2235 / 47 940-0

Telefax: +43 / 2235 / 47 940-39

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)**Further Information**

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

Hazard categories:

Acute toxicity: Acute Tox. 4

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

Harmful if swallowed

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

Label elements**29 CFR Part 1910.1200****Signal word:** Warning**Pictograms:****Hazard statements**

Harmful if swallowed

May cause an allergic skin reaction

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Call a poison center/doctor if you feel unwell.

If on skin: Wash with plenty of water.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil black

Revision date: 04.08.2017

Product code: FA0010

Page 2 of 9

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Components	Quantity
95-70-5	2,5-toluenediamine	< 7 %
591-27-5	3-aminophenol	= < 2 %

4. First-aid measures**Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil black

Revision date: 04.08.2017

Product code: FA0010

Page 3 of 9

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Co-ordinate fire-fighting measures to the fire surroundings.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

See protective measures under point 7 and 8.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: refer to chapter 8

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

8. Exposure controls/personal protection**Control parameters****Additional advice on limit values**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Exposure controls**Appropriate engineering controls**

No special measures are necessary.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil black

Revision date: 04.08.2017

Product code: FA0010

Page 4 of 9

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134 .

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No special precautionary measures are necessary.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	liquid
Color:	not determined
Odor:	characteristic
pH-Value:	7,5-10,0

Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion

Explosive properties

none

Lower explosion limits:	not determined
Upper explosion limits:	not determined

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil black

Revision date: 04.08.2017

Product code: FA0010

Page 5 of 9

Ignition temperature: not determined

Auto-ignition temperature

Gas: not determined

Decomposition temperature: not determined

Oxidizing properties

none

Vapor pressure: not determined

Density: not determined

Water solubility: not determined

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Vapor density: not determined

Evaporation rate: not determined

Solvent separation test: not determined

Solvent content: not determined

Other information

Solid content: not determined

10. Stability and reactivity**Reactivity**

No information available.

Chemical stability

Stability: Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

No information available.

Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

Hazardous decomposition productsCan be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Ingestion: Harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil black

Revision date: 04.08.2017

Product code: FA0010

Page 6 of 9

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

Harmful if swallowed

ATEmix calculated

ATE (oral) 1456,9 mg/kg

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
95-70-5	2,5-toluenediamine				
	oral	LD50 102 mg/kg	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE 1100 mg/kg			
	inhalative vapour	ATE 11 mg/l			
	inhalative aerosol	ATE 1,5 mg/l			
591-27-5	3-aminophenol				
	oral	LD50 >500-<2000 mg/kg	Rat	ECHA Dossier	OECD 420
	inhalative vapour	ATE 11 mg/l			
	inhalative (4 h) aerosol	LC50 1,162 mg/l	Rat	ECHA Dossier	

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test);

Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian

Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA

damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.;

Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity:

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier

3-aminophenol (CAS No. 591-27-5):

In vitro mutagenicity/genotoxicity: Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration

Test); Result: positive. / negative.; Method: bacterial reversion assay, the WP2 Mutoxitest; Result: negative.;

Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result: negative.; Method: OECD

Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative.; Developmental toxicity/teratogenicity:

Exposure time: 20d. Species: Rat.; Method: OECD Guideline 414; Result: NOEL = 100 mg/kg(bw)/day.

Literature information: ECHA Dossier

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil black

Revision date: 04.08.2017

Product code: FA0010

Page 7 of 9

Based on available data, the classification criteria are not met.

2,5-toluediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

3-aminophenol (CAS No. 591-27-5):

Subchronic oral toxicity: Exposure time: 90d. Species: Rat.; Method: no data. Result: NOEL = 20

mg/kg(bw)/day. Chronic dermal toxicity: Exposure time: 24 month. Species: Rat.; Method: no data. Result:

LOEL = 500 mg/kg. Literature information: ECHA Dossier

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available.

12. Ecological information**Ecotoxicity**

The product has not been tested.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

No data available.

Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations**Waste treatment methods****Advice on disposal**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

14. Transport information**US DOT 49 CFR 172.101****Proper shipping name:**

Not a hazardous material with respect to these transport regulations. &&
Not controlled under DOT

Marine transport (IMDG)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil black

Revision date: 04.08.2017

Product code: FA0010

Page 8 of 9

Air transport (ICAO-TI/IATA-DGR)

UN number:	No dangerous good in sense of this transport regulation.
UN proper shipping name:	No dangerous good in sense of this transport regulation.
Transport hazard class(es):	No dangerous good in sense of this transport regulation.
Packing group:	No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

refer to chapter 6-8

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

15. Regulatory information

U.S. Regulations

National Inventory TSCA

3-aminophenol listed under TSCA 12(b) listed in the TSCA inventory

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

National regulatory information

SARA Section 311/312 Hazards:

2,5-toluenediamine (95-70-5): Immediate (acute) health hazard

3-aminophenol (591-27-5): Immediate (acute) health hazard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

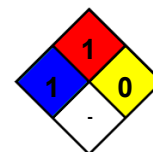
16. Other information

Hazardous Materials Information Label (HMIS)

Health:	2
Flammability:	1
Physical Hazard:	1
Personal Protection:	B

NFPA Hazard Ratings

Health:	1
Flammability:	1
Reactivity:	0
Unique Hazard:	-



Changes

Revision date:	04.08.2017
Revision No:	1,0
Rev. 1.0; Initial release:	04.08.2017

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
 CAS Chemical Abstracts Service
 DNEL: Derived No Effect Level
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 IMDG: International Maritime Code for Dangerous Goods

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil black

Revision date: 04.08.2017

Product code: FA0010

Page 9 of 9

IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect level
NTP: National Toxicology Program
N/A: not applicable
OSHA: Occupational Safety and Health Administration
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
SARA: Superfund Amendments and Reauthorization Act
SVHC: substance of very high concern
TRGS Technische Regeln für Gefahrstoffe
TSCA: Toxic Substances Control Act
VOC: Volatile Organic Compounds
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
WGK: Wassergefährdungsklasse

Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:
Health hazards: Calculation method.
Environmental hazards: Calculation method.
Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil brown

Revision date: 08.09.2017

Product code: FA0030.

Page 1 of 9

1. Identification**Product identifier**

RefectoCil brown

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Cosmetics

Uses advised against

Any non-intended use.

Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH

Street: Achauerstrasse 49a

Place: A-2333 Leopoldsdorf

Telephone: +43 / 2235 / 47 940-0

Telefax: +43 / 2235 / 47 940-39

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)**Further Information**

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

Label elements**29 CFR Part 1910.1200****Signal word:** Warning**Pictograms:****Hazard statements**

May cause an allergic skin reaction

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil brown

Revision date: 08.09.2017

Product code: FA0030.

Page 2 of 9

labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Components	Quantity
95-70-5	2,5-toluenediamine	< 5 %

4. First-aid measures**Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil brown

Revision date: 08.09.2017

Product code: FA0030.

Page 3 of 9

See protective measures under point 7 and 8.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling**Advice on safe handling**

Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: refer to chapter 8

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

8. Exposure controls/personal protection

Control parameters**Additional advice on limit values**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Exposure controls**Appropriate engineering controls**

No special measures are necessary.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil brown

Revision date: 08.09.2017

Product code: FA0030.

Page 4 of 9

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134 .

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No special precautionary measures are necessary.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid
Color:	not determined
Odor:	characteristic
pH-Value:	7,5-10,0

Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion

Explosive properties

none

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

Auto-ignition temperature

Gas:	not determined
Decomposition temperature:	not determined

Oxidizing properties

none

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil brown

Revision date: 08.09.2017

Product code: FA0030.

Page 5 of 9

Vapor pressure:	not determined
Density:	not determined
Water solubility:	not determined
Solubility in other solvents	
not determined	
Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapor density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	not determined

Other information

Solid content:	not determined
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10. Stability and reactivity**Reactivity**

No information available.

Chemical stability

Stability:	Stable
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The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

Hazardous reactions:	Will not occur
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No information available.

Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

Hazardous decomposition productsCan be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

Based on available data, the classification criteria are not met.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil brown

Revision date: 08.09.2017

Product code: FA0030.

Page 6 of 9

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
95-70-5	2,5-toluenediamine				
	oral	LD50 102 mg/kg	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE 1100 mg/kg			
	inhalative vapour	ATE 11 mg/l			
	inhalative aerosol	ATE 1,5 mg/l			

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test);

Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian

Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA

damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.;

Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity:

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available.

12. Ecological information

Ecotoxicity

The product has not been tested.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

No data available.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil brown

Revision date: 08.09.2017

Product code: FA0030.

Page 7 of 9

Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations**Waste treatment methods****Advice on disposal**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

14. Transport information**US DOT 49 CFR 172.101****Proper shipping name:**Not a hazardous material with respect to these transport regulations. &&
Not controlled under DOT**Marine transport (IMDG)****UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

refer to chapter 6-8

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

15. Regulatory information**U.S. Regulations****National Inventory TSCA**

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

National regulatory information

SARA Section 311/312 Hazards:

2,5-toluenediamine (95-70-5): Immediate (acute) health hazard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil brown

Revision date: 08.09.2017

Product code: FA0030.

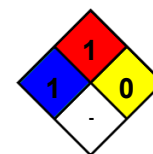
Page 8 of 9

16. Other information**Hazardous Materials Information Label (HMIS)**

Health:	2
Flammability:	1
Physical Hazard:	1
Personal Protection:	B

NFPA Hazard Ratings

Health:	1
Flammability:	1
Reactivity:	0
Unique Hazard:	-

**Changes**

Revision date:	08.09.2017
Revision No:	1,0
Rev. 1.0; Initial release: 08.09.2017	

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
 CAS Chemical Abstracts Service
 DNEL: Derived No Effect Level
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 LOAEL: Lowest observed adverse effect level
 LOAEC: Lowest observed adverse effect concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NOAEL: No observed adverse effect level
 NOAEC: No observed adverse effect level
 NTP: National Toxicology Program
 N/A: not applicable
 OSHA: Occupational Safety and Health Administration
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 SARA: Superfund Amendments and Reauthorization Act
 SVHC: substance of very high concern
 TRGS Technische Regeln fuerGefahrstoffe
 TSCA: Toxic Substances Control Act
 VOC: Volatile Organic Compounds
 VwVwS: Verwaltungsvorschrift wassergefahrdender Stoffe
 WGK: Wassergefahrdungsklasse

Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:
 Health hazards: Calculation method.
 Environmental hazards: Calculation method.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil brown

Revision date: 08.09.2017

Product code: FA0030.

Page 9 of 9

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil light brown

Revision date: 07.08.2017

Product code: FA0031

Page 1 of 9

1. Identification**Product identifier**

RefectoCil light brown

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Cosmetics

Uses advised against

Any non-intended use.

Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH

Street: Achauerstrasse 49a

Place: A-2333 Leopoldsdorf

Telephone: +43 / 2235 / 47 940-0

Telefax: +43 / 2235 / 47 940-39

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)**Further Information**

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

Label elements**29 CFR Part 1910.1200****Signal word:** Warning**Pictograms:****Hazard statements**

May cause an allergic skin reaction

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil light brown

Revision date: 07.08.2017

Product code: FA0031

Page 2 of 9

labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Components	Quantity
95-70-5	2,5-toluenediamine	< 1,75 %

4. First-aid measures**Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil light brown

Revision date: 07.08.2017

Product code: FA0031

Page 3 of 9

See protective measures under point 7 and 8.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling**Advice on safe handling**

Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: refer to chapter 8

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

8. Exposure controls/personal protection

Control parameters**Additional advice on limit values**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Exposure controls**Appropriate engineering controls**

No special measures are necessary.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil light brown

Revision date: 07.08.2017

Product code: FA0031

Page 4 of 9

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134 .

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No special precautionary measures are necessary.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid
Color:	not determined
Odor:	characteristic
pH-Value:	7,5-10,0

Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion

Explosive properties

none

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

Auto-ignition temperature

Gas:	not determined
Decomposition temperature:	not determined

Oxidizing properties

none

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil light brown

Revision date: 07.08.2017

Product code: FA0031

Page 5 of 9

Vapor pressure:	not determined
Density:	not determined
Water solubility:	not determined
Solubility in other solvents	
not determined	
Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapor density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	not determined

Other information

Solid content:	not determined
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10. Stability and reactivity**Reactivity**

No information available.

Chemical stability

Stability:	Stable
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The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

Hazardous reactions:	Will not occur
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No information available.

Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

Hazardous decomposition productsCan be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

Based on available data, the classification criteria are not met.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil light brown

Revision date: 07.08.2017

Product code: FA0031

Page 6 of 9

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
95-70-5	2,5-toluenediamine				
	oral	LD50 102 mg/kg	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE 1100 mg/kg			
	inhalative vapour	ATE 11 mg/l			
	inhalative aerosol	ATE 1,5 mg/l			

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test);

Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian

Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA

damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.;

Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity:

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available.

12. Ecological information

Ecotoxicity

The product has not been tested.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

No data available.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil light brown

Revision date: 07.08.2017

Product code: FA0031

Page 7 of 9

Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations**Waste treatment methods****Advice on disposal**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

14. Transport information**US DOT 49 CFR 172.101****Proper shipping name:**Not a hazardous material with respect to these transport regulations. &&
Not controlled under DOT**Marine transport (IMDG)****UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

refer to chapter 6-8

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

15. Regulatory information**U.S. Regulations****National Inventory TSCA**

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

National regulatory information

SARA Section 311/312 Hazards:

2,5-toluenediamine (95-70-5): Immediate (acute) health hazard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil light brown

Revision date: 07.08.2017

Product code: FA0031

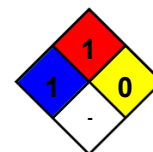
Page 8 of 9

16. Other information**Hazardous Materials Information Label (HMIS)**

Health:	2
Flammability:	1
Physical Hazard:	1
Personal Protection:	B

NFPA Hazard Ratings

Health:	1
Flammability:	1
Reactivity:	0
Unique Hazard:	-

**Changes**

Revision date:	07.08.2017
Revision No:	1,0
Rev. 1.0; Initial release: 07.08.2017	

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
 CAS Chemical Abstracts Service
 DNEL: Derived No Effect Level
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 LOAEL: Lowest observed adverse effect level
 LOAEC: Lowest observed adverse effect concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NOAEL: No observed adverse effect level
 NOAEC: No observed adverse effect level
 NTP: National Toxicology Program
 N/A: not applicable
 OSHA: Occupational Safety and Health Administration
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 SARA: Superfund Amendments and Reauthorization Act
 SVHC: substance of very high concern
 TRGS Technische Regeln für Gefahrstoffe
 TSCA: Toxic Substances Control Act
 VOC: Volatile Organic Compounds
 VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
 WGK: Wassergefährdungsklasse

Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:
 Health hazards: Calculation method.
 Environmental hazards: Calculation method.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil light brown

Revision date: 07.08.2017

Product code: FA0031

Page 9 of 9

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil red

Revision date: 07.08.2017

Product code: FA0041

Page 1 of 9

1. Identification**Product identifier**

RefectoCil red

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Cosmetics

Uses advised against

Any non-intended use.

Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH

Street: Achauerstrasse 49a

Place: A-2333 Leopoldsdorf

Telephone: +43 / 2235 / 47 940-0

Telefax: +43 / 2235 / 47 940-39

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)**Further Information**

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

Causes serious eye damage

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

Label elements**29 CFR Part 1910.1200****Signal word:** Danger**Pictograms:****Hazard statements**

May cause an allergic skin reaction

Causes serious eye damage

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil red

Revision date: 07.08.2017

Product code: FA0041

Page 2 of 9

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a poison center/doctor.

Dispose of contents/container to local/regional/national/international regulations.

Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Components	Quantity
5392-28-9	Pyrimidinetetrayltetraamine sulphate	< 7,5 %
608-25-3	2-methylresorcinol	< 3 %
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts	< 2,5 %

4. First-aid measures**Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting.

In all cases of doubt, or when symptoms persist, seek medical advice.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Sulfur

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil red

Revision date: 07.08.2017

Product code: FA0041

Page 3 of 9

oxides.

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

See protective measures under point 7 and 8.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: refer to chapter 8

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

8. Exposure controls/personal protection**Control parameters****Additional advice on limit values**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Exposure controls**Appropriate engineering controls**

No special measures are necessary.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil red

Revision date: 07.08.2017

Product code: FA0041

Page 4 of 9

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134 .

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No special precautionary measures are necessary.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid
Color:	not determined
Odor:	characteristic
pH-Value:	7,5-10,0

Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion

Explosive properties

none

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil red

Revision date: 07.08.2017

Product code: FA0041

Page 5 of 9

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined
Auto-ignition temperature	
Gas:	not determined
Decomposition temperature:	not determined
Oxidizing properties	
none	
Vapor pressure:	not determined
Density:	not determined
Water solubility:	not determined
Solubility in other solvents	
not determined	
Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapor density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	not determined

Other information

Solid content:	not determined
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10. Stability and reactivity

Reactivity

No information available.

Chemical stability

Stability: Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

No information available.

Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

Hazardous decomposition products

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Sulfur oxides.

11. Toxicological information

Information on toxicological effects

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil red

Revision date: 07.08.2017

Product code: FA0041

Page 6 of 9

Route(s) of Entry

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: Risk of serious damage to eyes.

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
608-25-3	2-methylresorcinol				
	oral	ATE 100 mg/kg			
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts				
	oral	LD50 4100 mg/kg	Rat	ECHA	
	dermal	LD50 >2000 mg/kg	Rat	ECHA	

Irritation and corrosivity

Causes serious eye damage

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

Skin Irrit. 2 - Specific concentration limit (SCL): ≥ 5 - < 10 %

Eye Dam. 1 - Specific concentration limit (SCL): ≥ 10 %

Sensitizing effects

May cause an allergic skin reaction (2-methylresorcinol)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative. ;

Literature information: ECHA Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation

Reproduction Toxicity Study); Species: Rat; Results: NOAEL ≥ 300 mg/kg. Literature information: ECHA

Dossier; Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity

Study); Species: Rat; Results: NOAEL = 1000 mg/kg; Literature information: ECHA Dossier

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents);

Species: Rat ; Exposure duration: 90 d. Result: NOAEL = 225 mg/kg; Literature information: ECHA Dossier

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available.

12. Ecological information

Safety Data Sheet

according to 29 CFR 1910.1200(g)

Revision date: 07.08.2017

RefectoCil red

Product code: FA0041

Page 7 of 9

Ecotoxicity

The product has not been tested.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

No data available.

Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations**Waste treatment methods****Advice on disposal**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

14. Transport information**US DOT 49 CFR 172.101****Proper shipping name:**Not a hazardous material with respect to these transport regulations. &&
Not controlled under DOT**Marine transport (IMDG)****UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

refer to chapter 6-8

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

15. Regulatory information**U.S. Regulations****National Inventory TSCA**

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts not listed under TSCA 12(b) listed in

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil red

Revision date: 07.08.2017

Product code: FA0041

Page 8 of 9

the TSCA inventory

2-methylresorcinol listed under TSCA 12(b) listed in the TSCA inventory

Pyrimidinetetrayltetraamine sulphate not listed under TSCA 12(b) listed in the TSCA inventory

National regulatory information

SARA Section 311/312 Hazards:

Pyrimidinetetrayltetraamine sulphate (5392-28-9): Immediate (acute) health hazard

2-methylresorcinol (608-25-3): Immediate (acute) health hazard

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts (68891-38-3): Immediate (acute) health hazard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

Hazardous Materials Information Label (HMIS)

Health: 2

Flammability: 1

Physical Hazard: 1

Personal Protection: B

NFPA Hazard Ratings

Health: 1

Flammability: 1

Reactivity: 0

Unique Hazard: -



Changes

Revision date: 07.08.2017

Revision No: 1,0

Rev. 1.0; Initial release: 07.08.2017

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect level

NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil red

Revision date: 07.08.2017

Product code: FA0041

Page 9 of 9

PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern

TRGS Technische Regeln für Gefahrstoffe

TSCA: Toxic Substances Control Act

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

Other data

Classification according to 29 CFR Part 1910.1200: - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Safety Data Sheet

according to 29 CFR 1910.1200(g)

Revision date: 07.08.2017

RefectoCil chestnut

Product code: FA0040-EU

Page 1 of 9

1. Identification**Product identifier**

RefectoCil chestnut

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Cosmetics

Uses advised against

Any non-intended use.

Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH

Street: Achauerstrasse 49a

Place: A-2333 Leopoldsdorf

Telephone: +43 / 2235 / 47 940-0

Telefax: +43 / 2235 / 47 940-39

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)**Further Information**

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

Label elements**29 CFR Part 1910.1200****Signal word:** Warning**Pictograms:****Hazard statements**

May cause an allergic skin reaction

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil chestnut

Revision date: 07.08.2017

Product code: FA0040-EU

Page 2 of 9

labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Components	Quantity
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts	< 2,5 %
5392-28-9	Pyrimidinetetrayltetraamine sulphate	< 1,5 %
95-70-5	2,5-toluenediamine	< 1,5 %
608-25-3	2-methylresorcinol	< 0,3 %

4. First-aid measures**Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Sulfur oxides.

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil chestnut

Revision date: 07.08.2017

Product code: FA0040-EU

Page 3 of 9

Co-ordinate fire-fighting measures to the fire surroundings.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling**Advice on safe handling**

Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: refer to chapter 8

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

8. Exposure controls/personal protection

Control parameters**Additional advice on limit values**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Exposure controls**Appropriate engineering controls**

No special measures are necessary.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil chestnut

Revision date: 07.08.2017

Product code: FA0040-EU

Page 4 of 9

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134 .

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No special precautionary measures are necessary.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid
Color:	not determined
Odor:	characteristic
pH-Value:	7,5-10,0

Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion

Explosive properties

none

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

Auto-ignition temperature

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil chestnut

Revision date: 07.08.2017

Product code: FA0040-EU

Page 5 of 9

Gas: not determined

Decomposition temperature: not determined

Oxidizing properties

none

Vapor pressure: not determined

Density: not determined

Water solubility: not determined

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Vapor density: not determined

Evaporation rate: not determined

Solvent separation test: not determined

Solvent content: not determined

Other information

Solid content: not determined

10. Stability and reactivity**Reactivity**

No information available.

Chemical stability

Stability: Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

No information available.

Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

Hazardous decomposition productsCan be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Sulfur oxides.**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

Toxicokinetics, metabolism and distribution

No data available.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil chestnut

Revision date: 07.08.2017

Product code: FA0040-EU

Page 6 of 9

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts				
	oral	LD50 4100 mg/kg	Rat	ECHA	
	dermal	LD50 >2000 mg/kg	Rat	ECHA	
95-70-5	2,5-toluenediamine				
	oral	LD50 102 mg/kg	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE 1100 mg/kg			
	inhalative vapour	ATE 11 mg/l			
	inhalative aerosol	ATE 1,5 mg/l			
608-25-3	2-methylresorcinol				
	oral	ATE 100 mg/kg			

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

Skin Irrit. 2 - Specific concentration limit (SCL): ≥ 5 - < 10 %Eye Dam. 1 - Specific concentration limit (SCL): ≥ 10 %

Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine; 2-methylresorcinol)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test);

Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian

Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA

damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.;

Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity:

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative. ;

Literature information: ECHA Dossier; Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation

Reproduction Toxicity Study); Species: Rat; Results: NOAEL ≥ 300 mg/kg. Literature information: ECHA

Dossier; Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity

Study); Species: Rat; Results: NOAEL = 1000 mg/kg; Literature information: ECHA Dossier

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil chestnut

Revision date: 07.08.2017

Product code: FA0040-EU

Page 7 of 9

Based on available data, the classification criteria are not met.

2,5-toluediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts:

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents);

Species: Rat ; Exposure duration: 90 d. Result: NOAEL = 225 mg/kg; Literature information: ECHA Dossier

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available.

12. Ecological information

Ecotoxicity

The product has not been tested.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

No data available.

Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations

Waste treatment methods

Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

14. Transport information

US DOT 49 CFR 172.101

Proper shipping name:

Not a hazardous material with respect to these transport regulations. &&
Not controlled under DOT

Marine transport (IMDG)

UN number:

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil chestnut

Revision date: 07.08.2017

Product code: FA0040-EU

Page 8 of 9

UN number: No dangerous good in sense of this transport regulation.
UN proper shipping name: No dangerous good in sense of this transport regulation.
Transport hazard class(es): No dangerous good in sense of this transport regulation.
Packing group: No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

refer to chapter 6-8

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

15. Regulatory information

U.S. Regulations

National Inventory TSCA

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory
 Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts not listed under TSCA 12(b) listed in the TSCA inventory
 2-methylresorcinol listed under TSCA 12(b) listed in the TSCA inventory
 Pyrimidinetetrayltetraamine sulphate not listed under TSCA 12(b) listed in the TSCA inventory

National regulatory information

SARA Section 311/312 Hazards:

Alcohols, C12-14(even numbered), ethoxylated EO, sulfates, sodium salts (68891-38-3): Immediate (acute) health hazard
 Pyrimidinetetrayltetraamine sulphate (5392-28-9): Immediate (acute) health hazard
 2,5-toluenediamine (95-70-5): Immediate (acute) health hazard
 2-methylresorcinol (608-25-3): Immediate (acute) health hazard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

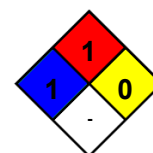
16. Other information

Hazardous Materials Information Label (HMIS)

Health: 2
 Flammability: 1
 Physical Hazard: 1
 Personal Protection: B

NFPA Hazard Ratings

Health: 1
 Flammability: 1
 Reactivity: 0
 Unique Hazard: -



Changes

Revision date: 07.08.2017
 Revision No: 1,0
 Rev. 1.0; Initial release: 07.08.2017

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil chestnut

Revision date: 07.08.2017

Product code: FA0040-EU

Page 9 of 9

CAS Chemical Abstracts Service
DNEL: Derived No Effect Level
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect level
NTP: National Toxicology Program
N/A: not applicable
OSHA: Occupational Safety and Health Administration
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
SARA: Superfund Amendments and Reauthorization Act
SVHC: substance of very high concern
TRGS Technische Regeln für Gefahrstoffe
TSCA: Toxic Substances Control Act
VOC: Volatile Organic Compounds
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
WGK: Wassergefährdungsklasse

Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:
Health hazards: Calculation method.
Environmental hazards: Calculation method.
Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil deep blue

Revision date: 04.08.2017

Product code: FA0021

Page 1 of 9

1. Identification**Product identifier**

RefectoCil deep blue

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Cosmetics

Uses advised against

Any non-intended use.

Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH

Street: Achauerstrasse 49a

Place: A-2333 Leopoldsdorf

Telephone: +43 / 2235 / 47 940-0

Telefax: +43 / 2235 / 47 940-39

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)**Further Information**

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

Label elements**29 CFR Part 1910.1200****Signal word:** Warning**Pictograms:****Hazard statements**

May cause an allergic skin reaction

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil deep blue

Revision date: 04.08.2017

Product code: FA0021

Page 2 of 9

labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Components	Quantity
95-70-5	2,5-toluenediamine	=< 1,5 %
70643-19-5	2,4-Diaminophenoxyethanol	< 1,25 %

4. First-aid measures**Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

6. Accidental release measures

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil deep blue

Revision date: 04.08.2017

Product code: FA0021

Page 3 of 9

Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: refer to chapter 8

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

8. Exposure controls/personal protection**Control parameters****Additional advice on limit values**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Exposure controls**Appropriate engineering controls**

No special measures are necessary.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

Hand protection

Wear suitable gloves.

Suitable material:

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil deep blue

Revision date: 04.08.2017

Product code: FA0021

Page 4 of 9

FKM (fluororubber). - Thickness of glove material: 0,4 mm
 Breakthrough time \geq 8 h
 Butyl rubber. - Thickness of glove material: 0,5 mm
 Breakthrough time \geq 8 h
 CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm
 Breakthrough time \geq 8 h
 NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm
 Breakthrough time \geq 8 h
 PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm
 Breakthrough time \geq 8 h
 Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.
 Respiratory protection necessary at:
 insufficient ventilation
 exceeding exposure limit values
 Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134 .
 The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No special precautionary measures are necessary.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	liquid
Color:	not determined
Odor:	characteristic
pH-Value:	7,5-10,0

Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion

Explosive properties

none

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

Auto-ignition temperature

Gas:	not determined
Decomposition temperature:	not determined

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil deep blue

Revision date: 04.08.2017

Product code: FA0021

Page 5 of 9

Oxidizing properties

none

Vapor pressure:

not determined

Density:

not determined

Water solubility:

not determined

Solubility in other solvents

not determined

Partition coefficient:

not determined

Viscosity / dynamic:

not determined

Viscosity / kinematic:

not determined

Flow time:

not determined

Vapor density:

not determined

Evaporation rate:

not determined

Solvent separation test:

not determined

Solvent content:

not determined

Other information

Solid content:

not determined

10. Stability and reactivity**Reactivity**

No information available.

Chemical stability

Stability:

Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

Hazardous reactions:

Will not occur

No information available.

Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

Hazardous decomposition productsCan be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

Based on available data, the classification criteria are not met.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil deep blue

Revision date: 04.08.2017

Product code: FA0021

Page 6 of 9

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
95-70-5	2,5-toluenediamine				
	oral	LD50 102 mg/kg	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE 1100 mg/kg			
	inhalative vapour	ATE 11 mg/l			
	inhalative aerosol	ATE 1,5 mg/l			
70643-19-5	2,4-Diaminophenoxyethanol				
	oral	LD50 1104 mg/kg	Rat	ECHA Dossier	READ Across (Salt)

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test);

Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian

Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA

damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.;

Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity:

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

2,4-Diaminophenoxyethanol:

READ ACROSS: [4-(2-hydroxyethoxy)-1,3-phenylene]diammonium sulphate (CAS No. 70643-20-8):

Subchronic oral toxicity: Exposure time: 90d. Species: Rat.; Method: OECD Guideline 408; Result: NOAEL =

20 mg/kg(bw)/day. Literature information: ECHA Dossier

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available.

12. Ecological information

Ecotoxicity

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil deep blue

Revision date: 04.08.2017

Product code: FA0021

Page 7 of 9

The product has not been tested.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

No data available.

Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations

Waste treatment methods

Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

14. Transport information

US DOT 49 CFR 172.101

Proper shipping name:

Not a hazardous material with respect to these transport regulations. &&
Not controlled under DOT

Marine transport (IMDG)

UN number:

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number:

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

refer to chapter 6-8

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

15. Regulatory information

U.S. Regulations

National Inventory TSCA

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

2,4-Diaminophenoxyethanol not listed under TSCA 12(b) not listed in the TSCA inventory

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil deep blue

Revision date: 04.08.2017

Product code: FA0021

Page 8 of 9

National regulatory information

SARA Section 311/312 Hazards:

2,5-toluenediamine (95-70-5): Immediate (acute) health hazard

2,4-Diaminophenoxyethanol (70643-19-5): Immediate (acute) health hazard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

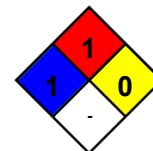
16. Other information

Hazardous Materials Information Label (HMIS)

Health: 2
 Flammability: 1
 Physical Hazard: 1
 Personal Protection: B

NFPA Hazard Ratings

Health: 1
 Flammability: 1
 Reactivity: 0
 Unique Hazard: -



Changes

Revision date: 04.08.2017
 Revision No: 1,0
 Rev. 1.0; Initial release: 04.08.2017

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
 CAS Chemical Abstracts Service
 DNEL: Derived No Effect Level
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 LOAEL: Lowest observed adverse effect level
 LOAEC: Lowest observed adverse effect concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NOAEL: No observed adverse effect level
 NOAEC: No observed adverse effect level
 NTP: National Toxicology Program
 N/A: not applicable
 OSHA: Occupational Safety and Health Administration
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 SARA: Superfund Amendments and Reauthorization Act
 SVHC: substance of very high concern

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil deep blue

Revision date: 04.08.2017

Product code: FA0021

Page 9 of 9

TRGS Technische Regeln für Gefahrstoffe

TSCA: Toxic Substances Control Act

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil blueblack

Revision date: 04.08.2017

Product code: FA0020

Page 1 of 9

1. Identification**Product identifier**

RefectoCil blueblack

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Cosmetics

Uses advised against

Any non-intended use.

Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH

Street: Achauerstrasse 49a

Place: A-2333 Leopoldsdorf

Telephone: +43 / 2235 / 47 940-0

Telefax: +43 / 2235 / 47 940-39

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)**Further Information**

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

Label elements**29 CFR Part 1910.1200****Signal word:** Warning**Pictograms:****Hazard statements**

May cause an allergic skin reaction

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil blueblack

Revision date: 04.08.2017

Product code: FA0020

Page 2 of 9

labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Components	Quantity
95-70-5	2,5-toluenediamine	< 5 %

4. First-aid measures**Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil blueblack

Revision date: 04.08.2017

Product code: FA0020

Page 3 of 9

See protective measures under point 7 and 8.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling**Advice on safe handling**

Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: refer to chapter 8

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

8. Exposure controls/personal protection

Control parameters**Additional advice on limit values**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Exposure controls**Appropriate engineering controls**

No special measures are necessary.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil blueblack

Revision date: 04.08.2017

Product code: FA0020

Page 4 of 9

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134 .

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No special precautionary measures are necessary.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	liquid
Color:	not determined
Odor:	characteristic
pH-Value:	7,5-10,0

Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion

Explosive properties

none

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

Auto-ignition temperature

Gas:	not determined
Decomposition temperature:	not determined

Oxidizing properties

none

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil blueblack

Revision date: 04.08.2017

Product code: FA0020

Page 5 of 9

Vapor pressure:	not determined
Density:	not determined
Water solubility:	not determined
Solubility in other solvents	
not determined	
Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapor density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	not determined

Other information

Solid content:	not determined
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10. Stability and reactivity**Reactivity**

No information available.

Chemical stability

Stability:	Stable
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The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

Hazardous reactions:	Will not occur
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No information available.

Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

Hazardous decomposition productsCan be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

Based on available data, the classification criteria are not met.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil blueblack

Revision date: 04.08.2017

Product code: FA0020

Page 6 of 9

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
95-70-5	2,5-toluenediamine				
	oral	LD50 102 mg/kg	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE 1100 mg/kg			
	inhalative vapour	ATE 11 mg/l			
	inhalative aerosol	ATE 1,5 mg/l			

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test);

Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian

Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA

damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.;

Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity:

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available.

12. Ecological information

Ecotoxicity

The product has not been tested.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

No data available.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

Revision date: 04.08.2017

RefectoCil blueblack

Product code: FA0020

Page 7 of 9

Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations**Waste treatment methods****Advice on disposal**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.
Non-contaminated packages may be recycled.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

14. Transport information**US DOT 49 CFR 172.101****Proper shipping name:**

Not a hazardous material with respect to these transport regulations. &&
Not controlled under DOT

Marine transport (IMDG)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

refer to chapter 6-8

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

15. Regulatory information**U.S. Regulations****National Inventory TSCA**

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

National regulatory information

SARA Section 311/312 Hazards:

2,5-toluenediamine (95-70-5): Immediate (acute) health hazard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil blueblack

Revision date: 04.08.2017

Product code: FA0020

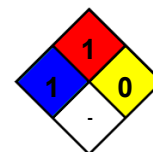
Page 8 of 9

16. Other information**Hazardous Materials Information Label (HMIS)**

Health:	2
Flammability:	1
Physical Hazard:	1
Personal Protection:	B

NFPA Hazard Ratings

Health:	1
Flammability:	1
Reactivity:	0
Unique Hazard:	-

**Changes**

Revision date:	04.08.2017
Revision No:	1,0
Rev. 1.0; Initial release: 04.08.2017	

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
 CAS Chemical Abstracts Service
 DNEL: Derived No Effect Level
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
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 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 LOAEL: Lowest observed adverse effect level
 LOAEC: Lowest observed adverse effect concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
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 NTP: National Toxicology Program
 N/A: not applicable
 OSHA: Occupational Safety and Health Administration
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 SARA: Superfund Amendments and Reauthorization Act
 SVHC: substance of very high concern
 TRGS Technische Regeln für Gefahrstoffe
 TSCA: Toxic Substances Control Act
 VOC: Volatile Organic Compounds
 VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
 WGK: Wassergefährdungsklasse

Other data

Classification according 29 CFR Part 1910.1200: - Classification procedure:
 Health hazards: Calculation method.
 Environmental hazards: Calculation method.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil blueblack

Revision date: 04.08.2017

Product code: FA0020

Page 9 of 9

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

Safety Data Sheet

according to 29 CFR 1910.1200(g)

Revision date: 04.08.2017

RefectoCil graphit

Product code: FA0011

Page 1 of 9

1. Identification**Product identifier**

RefectoCil graphit

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Cosmetics

Uses advised against

Any non-intended use.

Details of the supplier of the safety data sheet

Company name: GW Cosmetics GmbH

Street: Achauerstrasse 49a

Place: A-2333 Leopoldsdorf

Telephone: +43 / 2235 / 47 940-0

Telefax: +43 / 2235 / 47 940-39

Responsible Department: office@gwcosmetics.at

Emergency phone number: +43 / 2235 / 47 940-0 (09:00-16:00 CET)**Further Information**

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

Hazard categories:

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

May cause an allergic skin reaction

Environmental hazards: H412, Harmful to aquatic organisms.

Label elements**29 CFR Part 1910.1200****Signal word:** Warning**Pictograms:****Hazard statements**

May cause an allergic skin reaction

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin: Wash with plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container to local/regional/national/international regulations.

Additional advice on labelling

GHS Symbols and Phrases are shown here only for information. This product is a consumer product and

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil graphit

Revision date: 04.08.2017

Product code: FA0011

Page 2 of 9

labelling is regulated by the cosmetic regulation. Labelling according to 1910.1200 is not required.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Components	Quantity
95-70-5	2,5-toluenediamine	< 1 %

4. First-aid measures**Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil graphit

Revision date: 04.08.2017

Product code: FA0011

Page 3 of 9

See protective measures under point 7 and 8.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling**Advice on safe handling**

Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

General protection and hygiene measures: refer to chapter 8

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

8. Exposure controls/personal protection

Control parameters**Additional advice on limit values**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Exposure controls**Appropriate engineering controls**

No special measures are necessary.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil graphit

Revision date: 04.08.2017

Product code: FA0011

Page 4 of 9

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

insufficient ventilation

exceeding exposure limit values

Suitable respiratory protective equipment: half-mask with filter EN 149 or 29 CFR 1910.134 .

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No special precautionary measures are necessary.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	liquid
Color:	not determined
Odor:	characteristic
pH-Value:	7,5-10,0

Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion

Explosive properties

none

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

Auto-ignition temperature

Gas:	not determined
Decomposition temperature:	not determined

Oxidizing properties

none

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil graphit

Revision date: 04.08.2017

Product code: FA0011

Page 5 of 9

Vapor pressure:	not determined
Density:	not determined
Water solubility:	not determined
Solubility in other solvents	
not determined	
Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapor density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	not determined

Other information

Solid content:	not determined
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10. Stability and reactivity**Reactivity**

No information available.

Chemical stability

Stability:	Stable
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The product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

Hazardous reactions:	Will not occur
----------------------	----------------

No information available.

Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

Hazardous decomposition productsCan be released in case of fire: Carbon monoxide, Carbon dioxide (CO₂). Nitrogen oxides (NO_x).**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Ingestion: May be harmful if swallowed. Inhalation: May be harmful if inhaled. Skin contact: May cause irritation. May cause sensitisation by skin contact. Eye contact: May cause irritation.

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

Based on available data, the classification criteria are not met.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil graphit

Revision date: 04.08.2017

Product code: FA0011

Page 6 of 9

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
95-70-5	2,5-toluenediamine				
	oral	LD50 102 mg/kg	Rat	REACH Dossier	OECD Guideline 401
	dermal	ATE 1100 mg/kg			
	inhalative vapour	ATE 11 mg/l			
	inhalative aerosol	ATE 1,5 mg/l			

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitizing effects

May cause an allergic skin reaction (2,5-toluenediamine)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test);

Result: negative.; Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian

Liver Cells in vivo); Result: negative. Method: single cell gel/comet assay in rodents for detection of DNA

damage; Result: negative.; Mouse); positive. (Rat); Reproductive toxicity: Exposure time: 21d. Species: Rat.;

Method: OECD Guideline 416; Result: NOAEL = >45 mg/kg(bw)/day; Developmental toxicity/teratogenicity:

Exposure time: 18d. Species: Mouse; Method: OECD Guideline 416; Result: NOAEL = 16 mg/kg(bw)/day;

Literature information: ECHA Dossier

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

2,5-toluenediamine:

READ ACROSS: 2-methyl-p-phenylenediamine sulphate (CAS No. 615-50-9):

Subchronic oral toxicity: Exposure time: 12 weeks. Species: Rat.; Method: OECD Guideline 408; Result:

LOAEL = 10 mg/kg/day. Literature information: ECHA Dossier;

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): 2,5-Diaminotoluene (CAS 95-70-5) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available.

12. Ecological information

Ecotoxicity

The product has not been tested.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

No data available.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil graphit

Revision date: 04.08.2017

Product code: FA0011

Page 7 of 9

Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations**Waste treatment methods****Advice on disposal**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.
Non-contaminated packages may be recycled.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

14. Transport information**US DOT 49 CFR 172.101****Proper shipping name:**

Not a hazardous material with respect to these transport regulations. &&
Not controlled under DOT

Marine transport (IMDG)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**UN number:**

No dangerous good in sense of this transport regulation.

UN proper shipping name:

No dangerous good in sense of this transport regulation.

Transport hazard class(es):

No dangerous good in sense of this transport regulation.

Packing group:

No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

refer to chapter 6-8

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

15. Regulatory information**U.S. Regulations****National Inventory TSCA**

2,5-toluenediamine not listed under TSCA 12(b) listed in the TSCA inventory

National regulatory information

SARA Section 311/312 Hazards:

2,5-toluenediamine (95-70-5): Immediate (acute) health hazard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

RefectoCil graphit

Revision date: 04.08.2017

Product code: FA0011

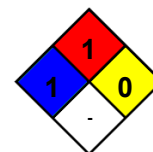
Page 8 of 9

16. Other information**Hazardous Materials Information Label (HMIS)**

Health:	2
Flammability:	1
Physical Hazard:	1
Personal Protection:	B

NFPA Hazard Ratings

Health:	1
Flammability:	1
Reactivity:	0
Unique Hazard:	-

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Page 9 of 9

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