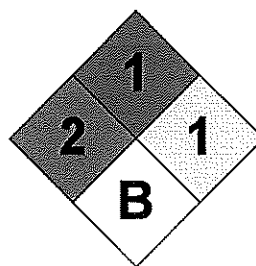


Barbicide



Health	2
Fire	1
Reactivity	1
Personal Protection	Safety Glasses, Gloves

Material Safety Data Sheet Barbicide

Section I- General Information

Distributed by: King Research, Inc 7025 West Marcia Road Milwaukee, WI 53221	24 Hour Emergency Telephone Number: Veolia Environmental Services Inc. 1-262-512-8000
	Telephone for Information: (414) 371-3149
Date Prepared: 12/30/09	Prepared by: Ron Dunnett

Section II- Hazardous Ingredients/Identity Information

Hazardous Components	CAS#	Hazardous	OSHA PEL	ACGIH TLV	Other Limits Recommended	% by Weight (Optional)
*Isopropyl alcohol	67-63-0	Yes	400 ppm	400 ppm	400 ppm	NA
Dimethyl benzyl ammonium chloride	68424-85-1	Yes	N/E	N/E	N/E	NA
*Sodium nitrite	90-43-7	Yes	N/E	N/E	N/E	NA

*SARA Title III Section 313 Reportable

Section III – Physical/Chemical Characteristics

Boiling Point:	100° C	Specific Gravity @25°C:	0.990-1.020
Vapor Pressure (mm Hg)	N/A	Melting Point:	Not Applicable
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	Not Applicable
Solubility in Water:	Complete	% Volatiles by Volume	Not Applicable
pH:	10.0-11.0	Appearance and Odor:	Dark blue liquid with pleasant odor.

Section IV- Fire and Explosion Hazard Data

Flash Point: 91° F, SETA
Extinguishing Media: Methods suitable for the surrounding fire such as Carbon dioxide, Water, Dry Chemical
Special Fire Fight Procedures: Non Needed
Unusual Fire and Explosion Hazards: N/A

Section V- Stability and Reactivity Data

Stability: Stable	Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur	Incompatibilities: N/A
Conditions to Avoid: Extreme temperatures	

BARBICIDE MSDS

Section VI – Health Hazard Data

Routes of Entry: *Skin Contact * Eye Contact *Ingestion *Inhalation
Carcinogenicity: NO ingredients listed as carcinogens by the NTP (National Toxicology Program) or the IARC (International Agency for Research on Cancer) or regulated by OSHA.
Health Hazards: Irritating to skin and eyes.
Signs and Symptoms of Exposure: <ul style="list-style-type: none">• Eyes: Burning sensation, watering, or redness.• Skin: Irritation may occur in rare instances.• Inhalation: Prolonged inhalation exposure may cause nausea, dizziness or disorientation.
Medical Conditions Generally Aggravated by Exposure: None Known

Section VII- First Aid Measures

Emergency and First Aid Procedures <ul style="list-style-type: none">• Inhalation: Remove to fresh air.• Ingestion: Drink 1-2 glasses of water. If symptoms persist, seek medical attention. Do not induce vomiting without medical advice. Probable mucosal damage may contraindicate the use of gastric lavage. Ingestion of large quantities (greater than 50 ml) can cause circulatory shock. Seek immediate medical attention.• Skin Contact: Wash liberally with soap and water. If on clothes, wash before reuse.• Eye Contact: Flush with water for 15-20 minutes.
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Section VIII- Precautions for Safe Handling and Use

Handling: Avoid ingestion and eye contact. Storage: KEEP OUT OF REACH OF CHILDREN.

Section IX- Accidental Release Measures

Spills: Small Spills- (less than 1 gallon) May be washed down a drain with lots of water or cleaned up and disposed of into a sanitary sewer system. Large Spills- (greater than 1 gallon) Absorb with an inert material and take to an appropriate waste disposal facility. Disposal Considerations: This product is not considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CFR 261. Dispose of product by using in accordance with label directions or in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).

Section X-Control Measures and Personal Protection

Ventilation and Respiratory Protection: General ventilation is normally adequate.
Engineering Controls: Mechanical (General): Normally sufficient.
Local Exhaust: Not normally needed.
Skin Protection: Rubber Gloves
Eye Protection: Use Safety Glasses when splashing into the eyes is possible.
Work/Hygiene Practices: A rubber or impervious apron is recommended when handling quantities greater than 1 gallon.

BARBICIDE MSDS

Section XI-Transportation Information

PROPER SHIPPING NAME : Flammable liquid n.o.s. (Isopropyl alcohol)

HAZARD CLASS: 3

UN NUMBER: 1993

PACKING GROUP: III

NOT DOT REGULATED UNDER NORMAL PACKAGING CONFIGURATIONS. EXEMPT UNDER THE AQUEOUS ALCOHOL EXEMPTION OF 49 CFR 173.150.

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied is given. It is the responsibility of the user to comply with all Federal, State and Local laws and regulations.

CLIPPERCIDE MSDS

Section V- Stability and Reactivity Data

Stability: Stable	Hazardous Decomposition Products: Phenolics, Carbon monoxide, carbon dioxide
Hazardous Polymerization: Will not occur	Incompatibilities: N/A
Conditions to Avoid: Extreme temperatures and pressures	

Section VI – Health Hazard Data

Routes of Entry: *Skin Contact * Eye Contact *Ingestion *inhalation
Carcinogenicity: NO ingredients listed as carcinogens by the NTP (National Toxicology Program) or the IARC (International Agency for Research on Cancer) or regulated by OSHA.
Health Hazards: Vapor may be irritating to lungs, skin and eyes .
Signs and Symptoms of Exposure: <ul style="list-style-type: none">• Eyes: Burning sensation, watering, or redness.• Skin: Irritation may occur in rare instances.• Inhalation: Prolonged inhalation exposure may cause nausea, dizziness or disorientation. If symptoms persist seek medical attention.• Ingestion: May cause nausea or discomfort.
Medical Conditions Generally Aggravated by Exposure: None Known

Section VII- First Aid Measures

Emergency and First Aid Procedures
• Inhalation: Remove to fresh air.
• Ingestion: Drink 1-2 glasses of water. If symptoms persist, seek medical attention. Do not induce vomiting without medical advice.
• Skin Contact: Wash liberally with soap and water. If on clothes, wash before reuse.
• Eye Contact: Flush with water for 15-20 minutes. Remove contact lenses if present and rinse additional five minutes.

Section VIII- Precautions for Safe Handling and Use

Handling: Avoid ingestion, skin and eye contact. Do not spray on flame or incandescent material. Do not breathe spray.
Storage: KEEP OUT OF REACH OF CHILDREN. Store at room temperature. Keep away from all possible sources of ignition. NO SMOKING.

Section IX- Accidental Release Measures

Spills: Small Spills- (less than 1000 ml) Mop or wipe up and dispose of into a sanitary sewer system. Large Spills- (greater than 1000 ml) Ventilate the area. Eliminate all possible sources of ignition. Absorb spill with an inert material and transfer to a steel drum and cap tightly. Take to an appropriate waste disposal facility.
Disposal Considerations: This product is not considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CFR 261. Dispose of product by using in accordance with label directions or in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).

CLIPPERCIDE MSDS

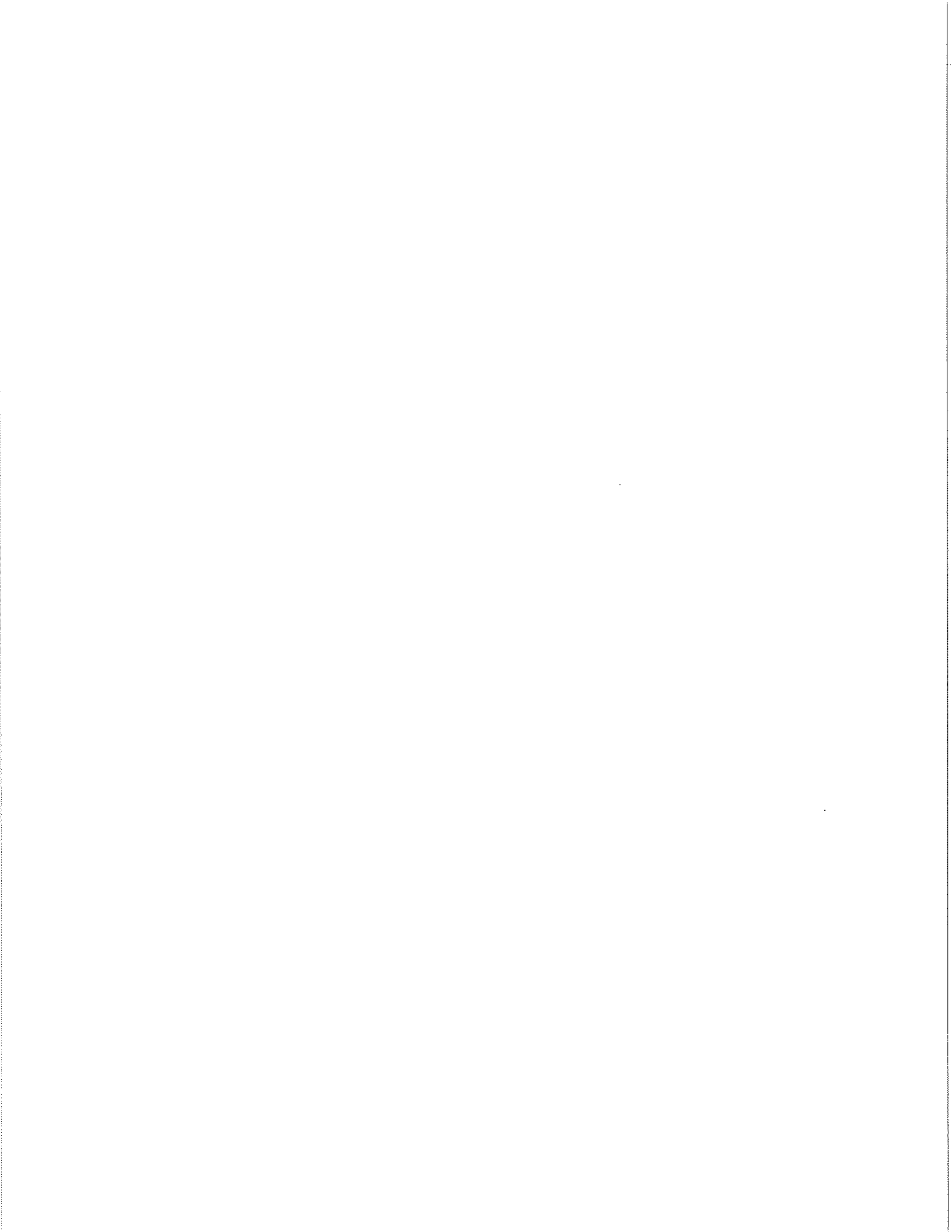
Section X-Control Measures and Personal Protection

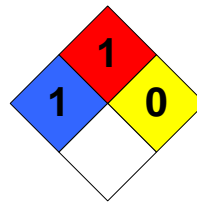
Ventilation and Respiratory Protection: General ventilation is normally adequate.
Engineering Controls: Mechanical (General): Normally sufficient.
Local Exhaust: Not normally needed.
Skin Protection: Rubber Gloves, wash hands after using.
Eye Protection: Use Safety Glasses when spraying into the eyes is possible.
Work/Hygiene Practices: Avoid contamination of food or drink.

Section XI-Transportation Information

PROPER SHIPPING NAME : Aerosol, flammable n.o.s. (Isopropyl alcohol) HAZARD CLASS: 2.1 UN NUMBER: 1950 PACKING GROUP: N/A SEE 49 CFR for ORM-D SHIPMENT REQUIREMENTS.
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Health	1
Fire	1
Reactivity	0
Personal Protection	Safety Glasses

Ship Shape
Professional Surface Cleaner

Material Safety Data Sheet

Section I-General Information

Distributed by: King Research, Inc 7025 W. Marcia Rd. Milwaukee WI 53223	24 Hour Emergency Telephone Number: Veolia Environmental Services Inc. 1-800-688-4005
	Telephone for Information: (414) 977-1449
Date Prepared: 9/14/11	Prepared by: QA Department

Section II- Hazardous Ingredients/Identity Information

Hazardous Components	CAS#	Hazardous	OSHA PEL	ACGIH TLV	Other Limits Recommended
*Isopropyl alcohol	67-63-0	Yes	400 ppm	400 ppm	400 ppm
Dipropylene glycol n-butyl ether	29911-28-2	Yes	N/E	N/E	N/E

*SARA Title III Section 313 Reportable

Section III – Physical/Chemical Characteristics

Boiling Point:	95° C (203°F)	Density @25°C:	0.990-1.01g/mL
Vapor Pressure (mm Hg)	N/A	Melting Point:	Not Applicable
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	Not Applicable
Solubility in Water:	Complete	% Volatiles by Volume	Not Applicable
pH:	10.5-11.5	Appearance and Odor:	Clear yellow liquid with pleasant citrus odor

Section IV- Fire and Explosion Hazard Data

Flash Point: 125° F, SETAFLASH Closed Cup ASTM D3278/D3828
Extinguishing Media: Methods suitable for the surrounding fire such as Carbon dioxide, Water, Dry Chemical
Special Fire Fight Procedures: Non Needed
Unusual Fire and Explosion Hazards: N/A

Section V- Stability and Reactivity Data

Stability: Stable	Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur	Incompatibilities: N/A
Conditions to Avoid: Extreme temperatures	

SHIP SHAPE PROFESSIONAL SURFACE CLEANER MSDS

Section VI – Health Hazard Data

Routes of Entry:

*Skin Contact * Eye Contact *Ingestion *Inhalation

Carcinogenicity: **NO** ingredients listed as carcinogens by the NTP (National Toxicology Program) or the IARC (International Agency for Research on Cancer) or regulated by OSHA.

Health Hazards: Mildly irritating to skin and eyes

Signs and Symptoms of Exposure:

- **Eyes:** Burning sensation, watering, or redness.
- **Skin:** Irritation may occur in rare instances.

Medical Conditions Generally Aggravated by Exposure: None Known

Section VII- First Aid Measures

Emergency and First Aid Procedures

- **Inhalation:** Remove to fresh air.
- **Ingestion:** Drink 1-2 glasses of water. If symptoms persist, seek medical attention. Do not induce vomiting without medical advice.
- **Skin Contact:** Wash liberally with soap and water. If on clothes, wash before reuse.
- **Eye Contact:** Flush with water for 5-15 minutes.

Section VIII- Precautions for Safe Handling and Use

Handling: Avoid ingestion and eye contact.

Storage: KEEP OUT OF REACH OF CHILDREN.

Section IX- Accidental Release Measures

Spills: May be washed down a drain with lots of water or cleaned up and disposed of into a sanitary sewer system.

Disposal Considerations: This product is not considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CFR 261. Dispose of product by using in accordance with label directions or in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).

Section X-Control Measures and Personal Protection

Ventilation and Respiratory Protection: General ventilation is normally adequate.

Engineering Controls: Mechanical (General): Normally sufficient.

Local Exhaust: Not normally needed.

Skin Protection: Gloves are recommended if irritation results.

Eye Protection: Use Safety Glasses when splashing into the eyes is possible.

Work/Hygiene Practices: None needed

SHIP SHAPE PROFESSIONAL SURFACE CLEANER MSDS

Section XI-Transportation Information

Non-Bulk Packaging

PROPER SHIPPING NAME : Not DOT Regulated

Bulk Packaging:

PROPER SHIPPING NAME : Flammable liquid n.o.s. (Isopropyl alcohol)

HAZARD CLASS: 3

UN NUMBER: 1993

PACKING GROUP: III

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied is given. It is the responsibility of the user to comply with all Federal, State and Local laws and regulations.

SAFETY DATA SHEET

Issuing Date 07-Aug-2013

Revision Date 07-Aug-2013

Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name SHIP SHAPE POWDER

Other means of identification

Product Code(s) KSHSH

Synonyms SHSH

Recommended use of the chemical and restrictions on use

Recommended Use Institutional dish machine detergent

Uses advised against No information available

Supplier's details

Supplier Address

King Research
7025 West Marcia Rd.
Milwaukee, WI 53223

TEL: 414-371-3133

Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

This chemical is NOT considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

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GHS Label elements, including precautionary statements

Emergency Overview

Signal Word
Hazard Statements

Appearance Powder

Physical State Powder.

Odor No information available

Precautionary Statements**Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wear protective gloves/protective clothing/eye protection/face protection.

General Advice

- Immediately call a POISON CENTER or doctor/physician.

Eyes

- 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 or doctor/physician.

Skin

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse.

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion

- IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Storage

- Store locked up.

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Synonyms**

SILVER SOAK POWDER

Chemical Name	CAS-No	Weight %	Trade secret
Sodium sesquicarbonate	497-19-533-96-0	>30	*
Pentasodium triphosphate	7758-29-4	5-15	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES**Description of necessary first-aid measures****Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Skin Contact

Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None

Specific Hazards Arising from the Chemical

No information available

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become very slippery.

Environmental Precautions

Environmental Precautions Dispose of contents/container to an approved waste disposal plant.

Methods and materials for containment and cleaning up

Methods for Containment Stop leak if you can do it without risk

Methods for Cleaning Up Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep from freezing. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products Strong oxidizing agents. Strong acids. Alkaline. Do not mix with anything but water

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Chemical splash goggles.
Skin and Body Protection Rubber gloves. Latex gloves
Respiratory Protection Particle filtering face piece

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

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State Powder
Odor No information available
Appearance Powder
Odor Threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	No data available.	None known
Water Solubility	100%	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Flammable Properties Not flammable

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) No data available

10. STABILITY AND REACTIVITY**Reactivity**

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Incompatible products.

Incompatible materials

Strong oxidizing agents. Strong acids. Alkaline. Do not mix with anything but water

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information****Inhalation**

May cause irritation of respiratory tract.

Eye Contact

Causes serious eye irritation.

Skin Contact

Causes severe skin burns.

Ingestion

May be harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Tribasic sodium phosphate dodecahydrate	= 7400 mg/kg (Rat)	-	-
Sodium sesquicarbonate	>2800 mg/kg (Rat)	-	-
Water	90 mL/kg (Rat)	-	-
Pentasodium triphosphate	= 3100 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	-
			-

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms** No information available.**Delayed and immediate effects and also chronic effects from short and long term exposure****Sensitization** No information available.**Mutagenic Effects** No information available.**Carcinogenicity** Contains no ingredient listed as a carcinogen.**Reproductive Toxicity** No information available.

STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral 7144 mg/kg; Acute toxicity estimate
LD50 Dermal 14539 mg/kg; Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Pentasodium triphosphate 7758-29-4		LC50 48 h: = 1650 mg/L (Leuciscus idus)		

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state, and local regulations

Contaminated Packaging Do not re-use empty containers.

Chemical Name	California Hazardous Waste

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
IECSC Complies
PICCS Complies
AICS Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

IECSC - China Inventory of Existing Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Pentasodium triphosphate				X
				X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Pentasodium triphosphate	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Pentasodium triphosphate		X	X		

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards -
<u>HMIS</u>	Health Hazard 3	Flammability 0	Physical Hazard 0	

Issuing Date 07-Aug-2013
 Revision Date 07-Aug-2013
 Revision Note Initial Release.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet