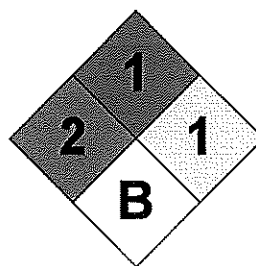


Barbicide



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

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

## Section VII- First Aid Measures

<b>Emergency and First Aid Procedures</b> <ul style="list-style-type: none"><li>• <b>Inhalation:</b> Remove to fresh air.</li><li>• <b>Ingestion:</b> 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.</li><li>• <b>Skin Contact:</b> Wash liberally with soap and water. If on clothes, wash before reuse.</li><li>• <b>Eye Contact:</b> Flush with water for 15-20 minutes.</li></ul>
--

## Section VIII- Precautions for Safe Handling and Use

<b>Handling:</b> Avoid ingestion and eye contact. <b>Storage:</b> KEEP OUT OF REACH OF CHILDREN.
---

## Section IX- Accidental Release Measures

<b>Spills: Small Spills- (less than 1 gallon)</b> May be washed down a drain with lots of water or cleaned up and disposed of into a sanitary sewer system. <b>Large Spills- (greater than 1 gallon)</b> Absorb with an inert material and take to an appropriate waste disposal facility. <b>Disposal Considerations:</b> 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

<b>Ventilation and Respiratory Protection:</b> General ventilation is normally adequate.
<b>Engineering Controls: Mechanical (General):</b> Normally sufficient.
<b>Local Exhaust:</b> Not normally needed.
<b>Skin Protection:</b> Rubber Gloves
<b>Eye Protection:</b> Use Safety Glasses when splashing into the eyes is possible.
<b>Work/Hygiene Practices:</b> 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

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

## Section VI – Health Hazard Data

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

## Section VII- First Aid Measures

<b>Emergency and First Aid Procedures</b>
• <b>Inhalation:</b> Remove to fresh air.
• <b>Ingestion:</b> Drink 1-2 glasses of water. If symptoms persist, seek medical attention. Do not induce vomiting without medical advice.
• <b>Skin Contact:</b> Wash liberally with soap and water. If on clothes, wash before reuse.
• <b>Eye Contact:</b> 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

<b>Handling:</b> Avoid ingestion, skin and eye contact. Do not spray on flame or incandescent material. Do not breathe spray.
<b>Storage:</b> 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

<b>Spills:</b> <b>Small Spills- (less than 1000 ml)</b> Mop or wipe up and dispose of into a sanitary sewer system. <b>Large Spills- (greater than 1000 ml)</b> 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.
<b>Disposal Considerations:</b> 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

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

## Section XI-Transportation Information

**PROPER SHIPPING NAME :** Aerosol, flammable n.o.s. (Isopropyl alcohol)

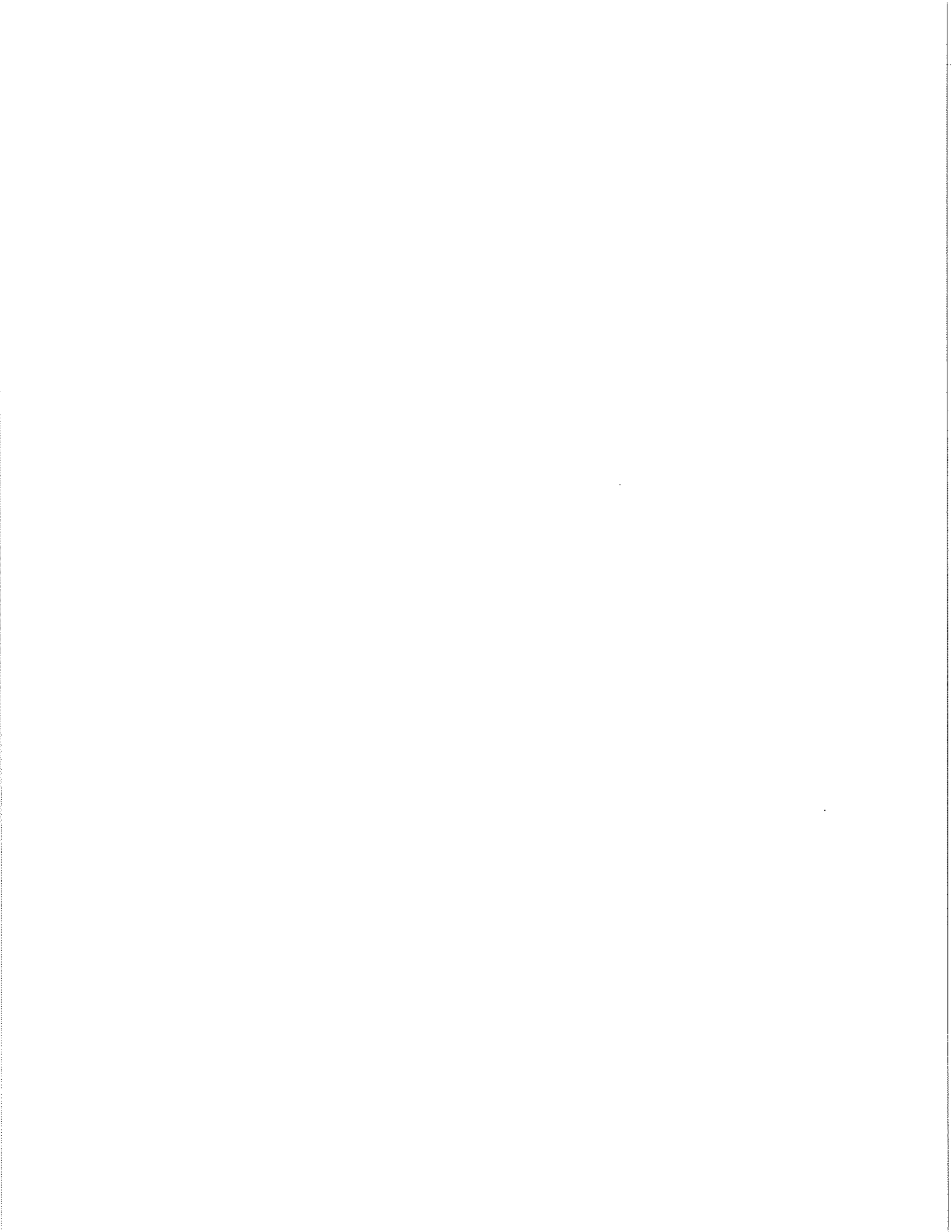
**HAZARD CLASS:** 2.1

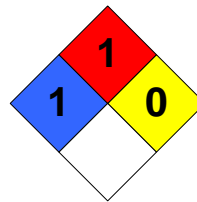
**UN NUMBER:** 1950

**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	<b>24 Hour Emergency Telephone Number:</b> <b>Veolia Environmental Services Inc.</b> <b>1-800-688-4005</b>
	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

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

### Section IV- Fire and Explosion Hazard Data

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

### Section V- Stability and Reactivity Data

<b>Stability:</b> Stable	<b>Hazardous Decomposition Products:</b> None
<b>Hazardous Polymerization:</b> Will not occur	<b>Incompatibilities:</b> N/A
<b>Conditions to Avoid:</b> 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**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	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**

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

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



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**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**



Issue date 15-Oct-2018

# Safety Data Sheet

Version 2

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Identifier

**Product name** MAR-V-CIDE SPRAY DISINFECTANT  
**Chemical name** 7-9761-1

### Other means of identification

**Product code** FG 431-2253-3  
**Synonyms** Disinfectant Spray  
**Registration number(s)** 498-179-08296

### Recommended use of the chemical and restrictions on use

**Recommended Use** For disinfection of hard, non-porous, inanimate surfaces.  
**Uses advised against** Do not spray on varnished, painted or plastic surfaces.

### Details of the supplier of the safety data sheet

<b>Supplier Address</b> William Marvy Company 1540 St. Clair Avenue St. Paul, MN 55105 651-698-0726	<b>Manufacturer Address</b> Chase Products Co. 2727 Gardner Road Broadview, IL 60155 708-273-1121
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### Emergency Telephone Number

**Company Phone Number** 708-865-1000  
**24 Hour Emergency Phone Number** 1-800-255-3924

## 2. Hazards Identification

### Classification

Serious eye damage/eye irritation	Category 2A
FLAMMABLE AEROSOLS	Category 2
Gases Under Pressure	liquefied gas

### Label Elements

#### EMERGENCY OVERVIEW

#### Warning

#### hazard statements

Causes serious eye irritation  
Flammable Aerosol  
Contains gas under pressure; may explode if heated



**Appearance** Hazy, yellow liquid

**Physical State** Aerosol

**Odor** Perfumed.

### Precautionary Statements - Prevention

## FG 431-2253-3 MAR-V-CIDE SPRAY DISINFECTANT

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves, protective clothing, eye protection and face protection.  
Keep away from heat, sparks, open flames and hot surfaces. — No smoking  
Pressurized container: Do not pierce or burn, even after use  
Do not spray on an open flame or other ignition source

### Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

### Precautionary Statements - Storage

Protect from sunlight. Store in a well-ventilated place  
Do not expose to temperatures exceeding 122 °F (50 °C)

### Hazards not otherwise classified (HNOC)

#### Other Information

- Toxic to aquatic life with long lasting effects
- 0.69% of the mixture consists of ingredient(s) of unknown toxicity

## 3. Composition/information on Ingredients

**Synonyms** Disinfectant Spray.  
**Chemical Family** MIXTURES.  
**Formula** 7-9761-1  
**Chemical nature** Aqueous solution of alcohol and other active ingredients.

Chemical name	CAS No	weight-%	Trade secret
Water	7732-18-5	45-50	*
Ethyl alcohol	64-17-5	30-35	*
N-Butane	106-97-8	10-15	*
Propane	74-98-6	1-5	*

Chemical Additions

See label for active ingredients information.

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

## 4. First aid measures

### FIRST AID MEASURES

**Eye Contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin contact** Wash with soap and water. If irritation develops, consult a physician .

**Inhalation** If overcome by vapor, move person to fresh air.

**Ingestion** Ingestion from an aerosol product is unlikely to occur.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Acute, Deliberate inhalation of concentrated vapor or mist may cause headaches.  
Prolonged and repeated contact with the eyes may cause mild irritation.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians** None needed.

**5. Fire-fighting measures**

**Suitable extinguishing media**

Dry chemical, CO2 or water spray.

**Unsuitable extinguishing media** Use water spray or fog; do not use straight streams.

**Specific hazards arising from the chemical**

Containers are under pressure. Temperatures above 130 °F may cause cans to burst.

**Hazardous combustion products** Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**Explosion data**

**Sensitivity to Mechanical Impact** Contents under pressure, keep away from heat and open flame.

**Sensitivity to Static Discharge** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Protective equipment and precautions for firefighters**

Use personal protective equipment as required.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** CONTENTS UNDER PRESSURE. Do not puncture or incinerate cans.

**Other Information** Keep out of reach of children.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

**Methods for cleaning up** Clean contaminated surface thoroughly.

**7. Handling and Storage**

**Precautions for safe handling**

**Advice on safe handling** Avoid getting spray into eyes. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in a cool, dry place away from heat and open flame. Avoid storing at below-freezing temperatures. **AEROSOL STORAGE LEVEL I (NFPA-30B)** .

**Incompatible Materials** Avoid heat, open flame and contact with strong oxidizers.

**8. Exposure Controls/Personal Protection**

**Control parameters**

**Exposure guidelines** See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

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		(vacated) TWA: 1900 mg/m <sup>3</sup>	
N-Butane 106-97-8	STEL: 1000 ppm explosion hazard	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 1600 ppm TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane 74-98-6	: See Appendix F: Minimal Oxygen Content, explosion hazard	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering controls** Use with adequate general or local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Conventional eyeglasses to guard against splashing.

**Skin and Body Protection** Household type gloves, if desired.

**Respiratory protection** None required if used in a well-ventilated area .

**General hygiene considerations** None required.

**9. Physical and Chemical Properties**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Perfumed.
<b>Appearance</b>	Hazy, yellow liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	10.5 +/- 0.5	No information available
<b>Melting point/freezing point</b>	NA	No information available
<b>Boiling point/boiling range</b>	212 °F/100 °C	No information available
<b>Flash Point</b>	Not available. This is an aerosol product for which Flame Projection is 6-8 inches without flashback. Temperatures above 120 °F may cause cans to burst.	No information available
<b>Evaporation Rate</b>	Faster than butyl acetate	No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		No information available
<b>Upper flammability limits</b>	Not available	
<b>Lower Flammability Limit</b>	Not available	
<b>Vapor pressure</b>	Not available	No information available
<b>Vapor Density</b>		No information available
<b>Relative Density</b>	0.92 concentrate	No information available
<b>Water solubility</b>	completely soluble	No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition Temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>		No information available
<b>Dynamic viscosity</b>		No information available
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content (%)</b>	51.32%

## FG 431-2253-3 MAR-V-CIDE SPRAY DISINFECTANT

**Density** No information available  
**Bulk Density** 8.33 Lb/gal

### 10. Stability and Reactivity

**Reactivity**  
Not applicable No data available

**Chemical stability**  
Stable.

**Possibility of hazardous reactions**  
Temperatures above 130 °F may cause cans to burst with force.

**hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**  
Temperatures above 122 °F (50 °C).

**Incompatible Materials**  
Avoid heat, open flame and contact with strong oxidizers.

**Hazardous decomposition products**  
Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

### 11. Toxicological Information

#### Information on likely routes of exposure

**Product Information** Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation.

**Inhalation** See data below.

**Eye Contact** No data available.

**Skin contact** No data available.

**Ingestion** This is an aerosol product, ingestion is unlikely to occur. MAY BE HARMFUL IF SWALLOWED.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Ethyl alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
N-Butane 106-97-8	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h
Propane 74-98-6	-	-	> 800000 ppm ( Rat ) 15 min

#### Information on toxicological effects

**Symptoms** See information above.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** Not known chronic effects based on available information.

**FG 431-2253-3 MAR-V-CIDE SPRAY DISINFECTANT**

Chemical name	ACGIH	IARC	NTP	OSHA
Ethyl alcohol 64-17-5	A3	Group 1	Known	X

**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 Information**

**Unknown acute toxicity** 0.69% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document .**  
**ATEmix (inhalation-gas)** 10000000  
**ATEmix (inhalation-vapor)** 16447.4 mg/l

**12. Ecological Information**

**ecotoxicity**

6.1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Ethyl alcohol 64-17-5		100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

See information below.

Chemical name	Partition coefficient
Ethyl alcohol 64-17-5	-0.32
N-Butane 106-97-8	2.89
Propane 74-98-6	2.3

**Other adverse effects** No information available

**13. Disposal Considerations**

**Waste treatment methods**

**Disposal of wastes** Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

**Contaminated packaging** Pressurized container: Do not pierce or burn, even after use.

Chemical name	California Hazardous Waste Status
Ethyl alcohol 64-17-5	Toxic Ignitable

**14. Transport Information**

**DOT**

<b>UN/ID no</b>	Limited Quantity
<b>Proper Shipping Name</b>	Consumer Commodity
<b>Hazard Class</b>	ORM-D

**IATA**

<b>UN/ID no</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, flammable
<b>Hazard Class</b>	2.1

**IMDG**

<b>UN/ID no</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols, flammable
<b>Hazard Class</b>	2.1
<b>Marine pollutant</b>	This product does not contain marine pollutants.

**15. Regulatory information**

**International Inventories**

**TSCA** All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**DSL** All ingredients are listed or are excluded from listing on the DSL.

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*

**US Federal Regulations**

**SARA 313**

This product does not contain toxic chemicals (above the de minimis level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**



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## California Proposition 65

This product does not contain any Proposition 65 chemicals

## U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
Ethyl alcohol 64-17-5	X	X	X
N-Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X

## U.S. EPA Label information

EPA Pesticide registration number 498-179-08296

### EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: CAUTION: May cause eye irritation. Avoid contact with the eyes and skin. Avoid breathing of spray mist. Avoid contamination of foodstuff.

## 16. Other information

<u>NFPA</u>	Health Hazards 1	Flammability 1	Instability 1	Physical and chemical properties Not applicable
<u>HMIS</u>	Health Hazards 1	Flammability 2	Physical hazards 1	Personal Protection A - Eyes protection

Prepared by Regulatory Department

Issue date 15-Oct-2018

### Revision note

This SDS supersedes a previous SDS dated May 12, 2015.

### Disclaimer

The information provided in this Material Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

# Mar-V-Cide Disinfectant, Fungicide, Germicide, Virucide

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations  
Revision Date: 10/15/2015 Date of issue: 10/15/2015



Version: 1.0

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

Product Form: Mixture

Product Name: Mar-V-Cide Disinfectant, Fungicide, Germicide, Virucide

#### 1.2. Intended Use of the Product

Use of the substance/mixture: For professional use only. Barber and Beauty Shop Disinfectant.

#### 1.3. Name, Address, and Telephone of the Responsible Party

WILLIAM MARVY COMPANY, INC.

1540 ST. CLAIR AVENUE

ST. PAUL, MN 55105

651-698-0726

[wmmarvyco.com](http://wmmarvyco.com)

#### 1.4. Emergency Telephone Number

Emergency Number : ChemTel, Inc. 800-255-3924, 813-248-0585

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### Classification (GHS-US)

Skin Corr. 1C H314

Eye Dam. 1 H318

STOT SE 3 H336

#### 2.2. Label Elements

##### GHS-US Labeling

##### Hazard Pictograms (GHS-US)



##### Signal Word (GHS-US)

: Danger

##### Hazard Statements (GHS-US)

: H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

H336 - May cause drowsiness or dizziness.

##### Precautionary Statements (GHS-US)

: P260 - Do not breathe vapors, mist, or spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection.

P363 - Wash contaminated clothing before reuse.

P391 - Collect spillage.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

#### 2.3. Other Hazards

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

#### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product Identifier	%*
Isopropyl alcohol	(CAS No) 67-63-0	5 - 35
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	(CAS No) 68424-85-1	5 - 35

\*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret in accordance with Paragraph 1910.1200 of Title 29 of the Code of Federal Regulations.

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## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**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).

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Immediately flush skin with plenty of water for at least 60 minutes. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms/Injuries:** May cause drowsiness and dizziness. Causes severe skin burns and eye damage. Causes serious eye damage.

**Symptoms/Injuries After Inhalation:** High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms. May be corrosive to the respiratory tract.

**Symptoms/Injuries After Skin Contact:** Causes severe irritation which will progress to chemical burns.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

### 4.3. 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

### 5.1. 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.

### 5.2. 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:** May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

### 5.3. 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.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

#### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area. 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.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

### 6.3. Methods and Material 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:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Cautiously neutralize spilled liquid.

### 6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. See Section 13, Disposal Considerations.

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## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** May release corrosive vapors.

**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 contact with eyes, skin and clothing. Handle empty containers with care because they may still present a hazard. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray.

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

### 7.2. 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. Store in original container or corrosive resistant and/or lined container.

**Incompatible Products:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

For professional use only. Barber and Beauty Shop Disinfectant.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. 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), NIOSH (REL), or OSHA (PEL).

Isopropyl alcohol (67-63-0)		
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 NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	1225 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (STEL) (ppm)	500 ppm
USA IDLH	US IDLH (ppm)	2000 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm

### 8.2. 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. Protective goggles. Face shield. Insufficient ventilation: wear respiratory protection.



#### Materials for Protective Clothing

: Chemically resistant materials and fabrics. Corrosion-proof clothing.

#### Hand Protection

: Wear protective gloves.

#### Eye Protection

: Chemical goggles or face shield.

#### 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

### 9.1. Information on Basic Physical and Chemical Properties

**Physical State** : Liquid

**Appearance** : Clear dark blue liquid

**Odor** : Alcohol / disinfectant

**Odor Threshold** : No data available

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pH	: 8.0 - 9.0
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: 96.5 °C (205.7 °F)
Flash Point	: 96 °C (204.8 °F) (Open Cup)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Specific Gravity	: No data available
Solubility	: Complete
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

**9.2. Other Information** No additional information available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.
- 10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition generates : Corrosive vapors. Carbon oxides (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

**Acute Toxicity:** Not classified

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
LD50 Oral Rat	426 mg/kg
Isopropyl alcohol (67-63-0)	
LD50 Oral Rat	4710 mg/kg
LD50 Dermal Rabbit	4059 mg/kg
LC50 Inhalation Rat	72.6 mg/l/4h (Exposure time: 4 h)

**Skin Corrosion/Irritation:** Causes severe skin burns and eye damage.

**Serious Eye Damage/Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

Isopropyl alcohol (67-63-0)	
IARC group	3

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** May cause drowsiness or dizziness.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms. May be corrosive to the respiratory tract.

**Symptoms/Injuries After Skin Contact:** Causes severe irritation which will progress to chemical burns.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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## SECTION 12: ECOLOGICAL INFORMATION

No additional information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Ecology – Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

**14.1. In Accordance with DOT** Not regulated for transport

**14.2. In Accordance with IMDG** Not regulated for transport

**14.3. In Accordance with IATA** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

No additional information available

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

**Revision Date** : 10/15/2015

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

*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.*

SDS US (GHS HazCom)



# Safety Data Sheet

Issue Date: August 31, 2015

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Mar-V-Cide II Germicidal Cleaner

### Other means of identification

**SDS #** #003E

### Recommended use of the chemical and restrictions on use

**Recommended Use** A concentrated germicidal cleaner formulated with synthetic phenols, anionic surfactants and alcohol.

### Details of the supplier of the safety data sheet

#### Supplier Address

William Marvy Company, Inc.  
1540 St. Clair Avenue  
St. Paul, MN 55105

#### Emergency Telephone Number

**Company Phone Number** 651-698-0726  
**Emergency Telephone (24 hr)** 800-255-3924 (CHEM-TEL)

## 2. HAZARDS IDENTIFICATION

### Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1B
Flammable Liquids	Category 3

### Signal Word

**Danger**

### Hazard Statements

Harmful if swallowed - Harmful if inhaled - Causes severe skin burns and eye damage - May cause cancer  
May damage fertility or the unborn child  
Flammable liquid and vapor



This product is a U.S. EPA Registered pesticide, EPA Reg. No. 211-25-8296, and is subject to specific labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products.

**Appearance** Dark purple liquid**Physical State** Liquid**Odor** Lavender phenolic**Precautionary Statements - Prevention**

Obtain special instructions before use.

Do not handle until all safety precautions on label have been read and understood.

Use personal protective equipment as required.

Wash face, hands and any exposed skin thoroughly after handling.

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

Use only outdoors or in a well-ventilated area.

Do not breathe dust/fume/gas/mist/vapors/spray.

Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof equipment.

Use only non-sparking tools. Take precautionary measures against static discharge.

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention

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

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

Wash contaminated clothing before reuse

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

Call a poison center or doctor/physician if you feel unwell

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth - Do not induce vomiting

Note to physician:

IN CASE OF FIRE: Use CO<sub>2</sub>, dry chemical, or foam for extinction**Precautionary Statements - Storage**

Store locked up – KEEP OUT OF REACH OF CHILDREN

Store in a well-ventilated place

**Precautionary Statements - Disposal**

Clean container promptly after emptying. Do not reuse or refill this container. Puncture and dispose of in a sanitary landfill, or by incineration. Offer for recycling, if available.

**Other Hazards**

Toxic to aquatic life with long lasting effects

Very toxic to aquatic life

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Isopropyl alcohol	67-63-0	5-10
Ortho-benzyl-para-Chlorophenol	120-32-1	5-10
O-phenylphenol	90-43-7	5-10
Sodium Nitrite	7632-00-0	1-5
Para-tertiary Amylphenol	80-46-6	1-5
Potassium hydroxide	1310-58-3	1-5
Borax	1303-96-4	<1

**4. FIRST-AID MEASURES****First Aid Measures****General Advice**

If exposed or concerned: Get medical advice/attention.

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

**Skin Contact**

Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.

**Inhalation**

Remove to fresh air. Call a physician if you feel unwell.

**Ingestion**

Rinse mouth. If patient is conscious and alert, dilute by drinking milk, egg whites or large quantities of water. Do not induce vomiting without medical advice. Call a poison center or doctor/physician if you feel unwell.

**Most important symptoms and effects****Symptoms**

May cause eye burns and permanent eye damage. May cause redness, pain, and severe skin burns. May cause nose, throat, and lung irritation. If swallowed: Drowsiness, irregular pulse, loss of consciousness. Possible gastrointestinal irritation or disturbance such as cramps and stomach pains.



**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO<sub>2</sub>). Water. Dry chemical.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Combustion products may be toxic.

**Hazardous Combustion Products**

Phenolic compounds. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Chlorine gas.

**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. Use water spray to keep fire-exposed containers cool.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Use personal protective equipment as required.

**Environmental Precautions**

See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up****Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. This product is toxic to fish and aquatic organisms.

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on Safe Handling**

Obtain special instructions before use. **Do not handle until all safety precautions have been read and understood.** Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use spark-proof tools and explosion-proof equipment. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Wash thoroughly after handling. Use only in well-ventilated areas. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

KEEP OUT OF REACH OF CHILDREN

**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not contaminate food or feed stuffs. Do not reuse container.

**Incompatible Materials**

Strong oxidizing agents.

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>
Borax 1303-96-4	STEL: 6 mg/m <sup>3</sup> inhalable fraction TWA: 2 mg/m <sup>3</sup> inhalable fraction	(vacated) TWA: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering Controls**

Apply technical measures to comply with the occupational exposure limits. Ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Use Safety Glasses when diluting concentrates or when splashing or spraying of diluted product into the eyes is likely.

**Skin and Body Protection**

Gloves are required for exposure to the concentrate when diluting or for long exposures to end-use dilutions. Persons sensitive to cleaning chemicals should always wear gloves.

**Respiratory Protection**

General ventilation is normally adequate. Use appropriate respiratory protection if application method produces a fine spray or mists.

**General Hygiene Considerations** Wash hands thoroughly after handling. Avoid contact with eyes, skin and clothing. Keep away from food and drink. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Lavender phenolic
<b>Appearance</b>	Clear dark purple liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Dark purple		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	12.65-12.8 (concentrate) 8.80-11.0 (1:256 dilution)		
<b>Melting Point/Freezing Point</b>	Not available		
<b>Boiling Point/Boiling Range</b>	100 °C / 212 °F		
<b>Flash Point</b>	46 °C / 115 °F	SETA	
<b>Evaporation Rate</b>	Not established		
<b>Flammability (Solid, Gas)</b>	n/a-liquid		
<b>Upper Flammability Limits</b>	Not determined		
<b>Lower Flammability Limit</b>	Not determined		
<b>Vapor Pressure</b>	Not established		
<b>Vapor Density</b>	Not established		
<b>Specific Gravity</b>	1.09-1.11	(1=Water)	
<b>Water Solubility</b>	Completely soluble		
<b>Solubility in other solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Autoignition Temperature</b>	Not determined		
<b>Decomposition Temperature</b>	Not determined		
<b>Kinematic Viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Not determined		
<b>Oxidizing Properties</b>	Not determined		

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Avoid high temperatures. Heat, flames and sparks.

**Incompatible Materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Combustion products may include phenolics, carbon monoxide, carbon dioxide, and chlorine.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Eye Contact** Causes serious eye damage.**Skin Contact** Causes severe skin burns.**Inhalation** Harmful if inhaled.**Ingestion** Harmful if swallowed.**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol 67-63-0	= 4396 mg/kg ( Rat )	= 12800 mg/kg ( Rat ) = 12870 mg/kg ( Rabbit )	= 72.6 mg/L ( Rat ) 4 h
EDTA 60-00-4	= 1700 mg/kg ( Rat )	-	-
Ortho-benzyl-para-Chlorophenol 120-32-1	= 1700 mg/kg ( Rat )	-	-
O-phenylphenol 90-43-7	= 1049 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 0.949 mg/L ( Rat ) 1 h
Sodium Nitrite 7632-00-0	= 85 mg/kg ( Rat )	-	= 5.5 mg/L ( Rat ) 4 h
Para-tertiary Amylphenol 80-46-6	= 1830 mg/kg ( Rat )	= 2 g/kg ( Rabbit )	-
Potassium hydroxide 1310-58-3	= 214 mg/kg ( Rat )	-	-
Sodium Sulfite 7757-83-7	= 820 mg/kg ( Rat )	-	> 5.5 mg/L ( Rat ) 4 h > 22 mg/L ( Rat ) 1 h
Borax 1303-96-4	= 2660 mg/kg ( Rat )	-	-

**Information on physical, chemical and toxicological effects****Symptoms** Please see section 4 of this SDS for symptoms.**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Isopropyl Alcohol (IPA) is listed as an IARC Monograph Group 3 chemical. However, IARC Group 3 chemicals are "not classifiable as human carcinogens". IPA is classified as an IARC Group 1 chemical ONLY when manufactured by the strong-acid process. The IPA used in this product is NOT manufactured by the strong-acid process and is therefore not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol 67-63-0		Group 3		X
O-phenylphenol 90-43-7		Group 3		
Sodium Nitrite 7632-00-0		Group 2A		X

**Legend****IARC (International Agency for Research on Cancer)**

Group 2A - Probably Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive toxicity** May damage fertility or the unborn child.**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Isopropyl alcohol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50		13299: 48 h Daphnia magna mg/L EC50
EDTA 60-00-4	1.01: 72 h Desmodesmus subspicatus mg/L EC50	34 - 62: 96 h Lepomis macrochirus mg/L LC50 static 44.2 - 76.5: 96 h Pimephales promelas mg/L LC50 static		113: 48 h Daphnia magna mg/L EC50 Static
O-phenylphenol 90-43-7	0.85: 72 h Desmodesmus subspicatus mg/L EC50	3.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.74: 96 h Lepomis macrochirus mg/L LC50 2.75: 96 h Oncorhynchus mykiss mg/L LC50 5.8: 96 h Poecilia reticulata mg/L LC50 static	EC50 = 2.05 mg/L 5 min	1 - 2.5: 48 h Daphnia magna mg/L EC50 Static
Sodium Nitrite 7632-00-0		0.19: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.092 - 0.13: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.4 - 0.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.65 - 1: 96 h Oncorhynchus mykiss mg/L LC50 static 2.3: 96 h Pimephales promelas mg/L LC50 flow-through 20: 96 h Pimephales promelas mg/L LC50 static		
Para-tertiary Amylphenol 80-46-6		1.87 - 3.34: 96 h Pimephales promelas mg/L LC50 flow-through 1.6: 96 h Cyprinus carpio mg/L LC50		
Potassium hydroxide 1310-58-3		80: 96 h Gambusia affinis mg/L LC50 static		
Sodium Sulfite 7757-83-7		220 - 460: 96 h Leuciscus idus mg/L LC50 static		330: 24 h Psammechinus miliaris mg/L LC50

### Persistence/Degradability

Not determined

### Bioaccumulation

Not determined

### Mobility

Chemical Name	Partition Coefficient
Isopropyl alcohol 67-63-0	0.05
O-phenylphenol 90-43-7	3.18
Sodium Nitrite 7632-00-0	-3.7
Potassium hydroxide 1310-58-3	0.83

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

#### **Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**US EPA Waste Number**

Not Applicable

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Isopropyl alcohol 67-63-0	Toxic Ignitable
Sodium Nitrite 7632-00-0	Toxic Ignitable Reactive
Potassium hydroxide 1310-58-3	Toxic Corrosive
Borax 1303-96-4	Toxic

**14. TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

UN/ID No UN2924  
 Proper Shipping Name 16 oz. — Limited Quantity  
 Hazard Class 3  
 Subsidiary Hazard Class 8  
 Packing Group III

**IATA**

UN/ID No UN2924  
 Proper Shipping Name 16 oz. — Limited Quantity  
 Hazard Class 3  
 Subsidiary Hazard Class 8  
 Packing Group III

**IMDG**

UN/ID No UN2924  
 Proper Shipping Name 16 oz. — Limited Quantity  
 Hazard Class 3  
 Subsidiary Hazard Class 8  
 Packing Group III

**15. REGULATORY INFORMATION**

**International Inventories**

Not determined

**US Federal Regulations**

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium Nitrite 7632-00-0	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Potassium hydroxide 1310-58-3	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl alcohol - 67-63-0	67-63-0	5-10	1.0
Ortho-benzyl-para-Chlorophenol - 120-32-1	120-32-1	5-10	0.1
O-phenylphenol - 90-43-7	90-43-7	5-10	1.0
Sodium Nitrite - 7632-00-0	7632-00-0	1-5	1.0

**CWA (Clean Water Act)**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ortho-benzyl-para-Chlorophenol 120-32-1 ( 5-10 )		X		
Sodium Nitrite 7632-00-0 ( 1-5 )	100 lb			X

003E Mar-V-Cide II Germicidal Cleaner

Potassium hydroxide 1310-58-3 ( 1-5 )	1000 lb			X
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**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
O-phenylphenol - 90-43-7	Carcinogen

**15. REGULATORY INFORMATION (CONT.)**

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl alcohol 67-63-0	X	X	X
EDTA 60-00-4	X	X	X
Ortho-benzyl-para-Chlorophenol 120-32-1	X		X
O-phenylphenol 90-43-7	X	X	X
Sodium Nitrite 7632-00-0	X	X	X
Para-tertiary Amylphenol 80-46-6		X	X
Potassium hydroxide 1310-58-3	X	X	X
Borax 1303-96-4	X	X	X

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	Not determined	Not determined	Not determined	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	3		0	B

Issue Date: August 31, 2015

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

# WILLIAM MARVY COMPANY, INC.

1540 ST. CLAIR AVENUE ST. PAUL, MINNESOTA 55105  
651-698-0726 800-874-2651 FAX 651-698-4048

## MATERIAL SAFETY DATA SHEET

### SECTION ONE – PRODUCT DESCRIPTION

PRODUCT NAME: Mar-V-Cide® Clipper Ease®  
DESCRIPTION: Spray Disinfectant/Lubricant

MSDS Number: 005a  
SUPPLIER'S NAME: William Marvy Company, Inc.  
1540 St. Clair Avenue  
St. Paul, MN 55105

SUPPLIER'S PHONE: 651-698-0726 \* 800-874-2651  
TRANSPORTATION EMERGENCY PHONE: 800-255-3924  
(CHEM-TEL)

**EMERGENCY TELEPHONE**  
**CHEM-TEL 800-255-3924**

**HMIS HAZARDOUS RATING**  
**NFPA 704 HAZARD RATING**  
**4 – Extreme 3 – High 2 – Moderate 1 – Slight**  
**B = Eye & Hand Protection**

<b>HEALTH</b>	<b>(Blue) 1</b>
<b>FLAMIBILITY</b>	<b>(Red) 4</b>
<b>REACTIVITY</b>	<b>(Yellow) 1</b>
<b>PERSONAL PROTECTION</b>	<b>(White) B</b>

### SECTION TWO – INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>PERCENT OF TOTAL WEIGHT</u>
Ethyl Alcohol	64-17-5	
Isobutane	75-28-5	
O-Phenylphenol	90-43-7	0.1
Propane	74-98-6	

### SECTION THREE – PHYSICAL AND CHEMICAL DATA

**Appearance** - Clear liquid  
**Chemical Type** - Mixture  
**Boiling Point** – ethyl alcohol 173-181°F, (78.4°C)  
**Percent VOCs** - 81.2  
**Solubility** - Soluble in water  
**Melting Point** - Not applicable °F. Not applicable °C.

**Odor** - Perfumed  
**Physical State** - Liquid  
**Specific Gravity** - 0.847 concentrate  
**pH Factor** - 9.9  
**Evaporation Rate** - Faster than butyl acetate

### SECTION FOUR – EMERGENCY AND FIRST AID PROCEDURES

<u>FIRST AID</u>	
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for further treatment advice.
If in eyes	Hold eyes open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
If swallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
<u>HOT LINE NUMBER</u>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact CHEM-TEL at 1-800-255-3924 for emergency medical treatment.	
<u>NOTE TO PHYSICIAN</u>	
Probable mucosal damage may contraindicate the use of gastric lavage.	

## SECTION FIVE – FIRE AND EXPLOSIVE DATA

**Flash Point** - Not applicable °F. Not applicable °C.

**Flash Point Method** - Not available

**Lower Explosive Limit** - Not available

**Upper Explosive Limit** - Not available

**Fire and Explosion Hazards** - This product is an aerosol product for which Flame Projection is 18 inches, with 3 inches flashback. Temperatures about 120°F may cause cans to burst.

**Extinguishing Media** - Use CO<sub>2</sub> (Carbon Dioxide), dry chemical, or water fog.

**Fire Fighting Instructions** - Water spray may be used to cool cans in the vicinity of fire or excessive heat.

## SECTION SIX – ACCIDENTAL RELEASE

Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

## SECTION SEVEN – HANDLING AND STORAGE

**Handling and Storage Precautions** - Store in a cool, dry place away from heat and open flame.

**Handling Precautions** - Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes. Keep out of reach of children.

**Storage Precautions** - Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity). **AEROSOL STORAGE LEVEL 2 (NFPA-30B)**

**Work/Hygienic Practices** - Wash thoroughly after handling.

## SECTION EIGHT – EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls** - Use with adequate general and local exhaust ventilation.

**Eye/Face Protection** - Conventional eyeglasses to guard against splashing.

**Skin Protection** - Household type gloves, if desired.

**Respiratory Protection** - None required if used in a well-ventilated area.

### Ingredient(s) - Exposure Limits

Ethyl Alcohol            ACGIH TLV-TWA 1000 ppm; OSHA PEL-TWA 1000 ppm

Propane                    ACGIH TLV-TWA 2500 ppm; OSHA PEL-TWA 1000 ppm

## SECTION NINE – HEALTH HAZARDS

**Primary Route(s) of Entry** - Ingestion (possible, but considered unlikely), eye contact, skin contact, inhalation.

**Eye Hazards** - Can cause irritation after contact with the eyes.

**Skin Hazards** - May cause skin irritation after prolonged contact with skin.

**Ingestion Hazards** - This is an aerosol product, ingestion is unlikely to occur.

**Inhalation Hazards** - Deliberate inhalation of concentrate vapor or mist may cause headaches, dizziness and nausea.

**Chronic/Carcinogenicity Effects** - PROPOSITION 65: “WARNING: This product contains o-phenylphenol, a chemical known to the State of California to cause cancer”.

**Epidemiology** - None known

**Teratogenicity (Birth Defects)** - None known

**Reproductive Effects** - None known

**Neurotoxicity** - None known

**Mutagenicity (Genetic Effect)** - None known

**Signs and Symptoms** - Acute: Deliberate inhalation of concentrate vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation. Contact with the eyes causes irritation.

**Conditions Aggravated by Exposure** - May aggravate pre-existing skin and respiratory disorders.

## SECTION TEN – STABILITY AND REACTIVITY INFORMATION

**Stability** - Stable

**Hazardous Polymerization** - Will not occur

**Conditions to Avoid (Stability)** - Temperatures above 120°F.

**Incompatible Materials** - Avoid heat, open flame and contact with strong oxidizers.

**Hazardous Decomposition Products** - Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

**Conditions to Avoid (Polymerization)** - Temperatures above 120°F.



## SECTION ELEVEN – TOXICOLOGICAL INFORMATION

No Data Available

## SECTION TWELVE – ECOLOGICAL INFORMATION

No Data Available

## SECTION THIRTEEN – CONTAINER DISPOSAL

Wrap empty container in newspaper and dispose of it in non-incinerated trash only.

## SECTION FOURTEEN – TRANSPORTATION INFORMATION

**Proper Shipping Name** - ORM-D Consumer Commodity

**DOT Identification Number** - UN1950

**DOT Shipping Label** - Aerosol Consumer Commodity

## SECTION FIFTEEN – MISCELLANEOUS AND REGULATORY INFORMATION

**U.S. Regulatory Information** - All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**SARA Hazard Classes** – Acute Health Hazard; Chronic Health Hazard; Fire Hazard

SARA Title III – Section 313 Form “R”/TRI Reportable Chemical

**SARA Section 313 Notification** – This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

O-Phenylphenol, see section 2 for percentage amount in the product.

**Ingredient(s) – U.S. Regulatory Information** – O-Phenylphenol

SARA Title III – Section 313 Form “R”/TRI Reportable Chemical; SARA – Acute Health Hazard; SARA – Chronic Health Hazard

**Ingredient(s) – State Regulations**

ETHYL ALCOHOL – New Jersey - Workplace Hazard, Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

ISOBUTANE – New Jersey - Workplace Hazard, Environmental Hazard, Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

PROPANE – New Jersey - Workplace Hazard, Environmental Hazard, Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

**Disclaimer:** *Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user’s intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).*

SNMVCCE  
September 2009