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

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>(CAS No) 67-63-0</td>
<td>5 - 35</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides</td>
<td>(CAS No) 68424-85-1</td>
<td>5 - 35</td>
</tr>
</tbody>
</table>

*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.

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).

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).

<table>
<thead>
<tr>
<th>Isopropyl alcohol (67-63-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH ACGIH TWA (ppm)</td>
</tr>
<tr>
<td>USA ACGIH ACGIH STEL (ppm)</td>
</tr>
<tr>
<td>USA ACGIH ACGIH chemical category</td>
</tr>
<tr>
<td>USA NIOSH NIOSH REL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>USA NIOSH NIOSH REL (TWA) (ppm)</td>
</tr>
<tr>
<td>USA NIOSH NIOSH REL (STEL) (mg/m³)</td>
</tr>
<tr>
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</tr>
<tr>
<td>USA IDLH US IDLH (ppm)</td>
</tr>
<tr>
<td>USA OSHA OSHA PEL (TWA) (mg/m³)</td>
</tr>
<tr>
<td>USA OSHA OSHA PEL (TWA) (ppm)</td>
</tr>
</tbody>
</table>

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.

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.


**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
   - **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.
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)