1  PRODUCT AND COMPANY IDENTIFICATION

Manufacturer
Simoniz, USA
201 Boston Turnpike
Bolton, CT 06043
Tel: 800-227-5536

Emergency Phone: CHEM-TEL: (800) 255-3924

Product Name: Simoniz Foam Disinfectant S3322012
Revision Date: 3/30/2015
Version: 1
MSDS Number: 2070-AP2070
Common Name: Aerosol Foaming Disinfectant
EPA Number: 47371-89-18305
Product Use: Disinfectant Cleaner

2  HAZARDS IDENTIFICATION

Route of Entry: Eyes - Yes  Ingestion - Unlikely  Inhalation -Yes  Skin - Yes

Inhalation: May cause respiratory tract irritation. Vapours may cause drowsiness and dizziness.
Skin Contact: May cause irritation.
Eye Contact: May cause irritation.
Ingestion: Not a normal route of exposure.

NFPA: Health = 2, Fire = 0, Reactivity = 0
HMIS III: H2/F0/PH0
GHS Signal Word:
DANGER

GHS Hazard Pictograms:

GHS Classifications:
- Physical, Flammable Aerosols, 3
- Health, Acute toxicity, 5 Oral
- Health, Skin corrosion/irritation, 3
- Health, Serious Eye Damage/Eye Irritation, 2 B
- Health, Specific target organ toxicity - Single exposure, 3
- Health, Carcinogenicity, 1
- Environmental, Hazards to the aquatic environment - Acute, 2

GHS Phrases:
- H229 - Pressurized container: may burst if heated
- H303 - May be harmful if swallowed
- H316 - Causes mild skin irritation
- H320 - Causes eye irritation
- H335 - May cause respiratory irritation
- H350 - May cause cancer
- H401 - Toxic to aquatic life

GHS Precautionary Statements:
- P102 - Keep out of reach of children.
- P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P251 - Pressurized container: Do not pierce or burn, even after use.
- P262 - Do not get in eyes, on skin, or on clothing.
- P273 - Avoid release to the environment.
- P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302+352 - IF ON SKIN: Wash with soap and water.
- P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P338 - Remove contact lenses if present and easy to do. Continue rinsing.
- P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

<table>
<thead>
<tr>
<th>Cas #</th>
<th>Percentage</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>68476-86-8</td>
<td>1-5%</td>
<td>Propane/ Isobutane</td>
</tr>
<tr>
<td>68391-01-5</td>
<td>&lt;0.1%</td>
<td>Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides</td>
</tr>
<tr>
<td>68956-79-6</td>
<td>&lt;0.1%</td>
<td>Quaternary ammonium compounds, C12-18-alkyl[(ethylphenyl)methyl]dimethyl, chlorides</td>
</tr>
</tbody>
</table>
4 **FIRST AID MEASURES**

**Inhalation:** Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.

**Skin Contact:** Wash with soap and water. If skin irritation persists, call a physician immediately. Remove contaminated clothing and wash before reuse.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion:** Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low to avoid getting into the lungs. Call a poison control center if large amounts are ingested. Never give anything by mouth to an unconscious person.

5 **FIRE FIGHTING MEASURES**

**Flammability:** Non-flammable

**Flash Point:** >200°F (concentrate)

**Flash Point Method:** TCC

**Autoignition Temp:** Not established

**LEL:** Not established

**UEL:** Not established

**Means of Extinction:**
- Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.
- Unsuitable Extinguishing Media: Not available.

**Products of Combustion:** May include, and are not limited to: oxides of carbon.

**Explosion Data:**
- Sensitivity to Mechanical Impact: Not available.
- Sensitivity to Static Discharge: Not available.

**Protection of Firefighters:** Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

6 **ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

**Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Clean-Up:** Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.
7 HANDLING AND STORAGE

Handling Precautions: HARMFUL IF INHALED OR SWALLOWED. EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

Storage Requirements: Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container. Store in accordance with NFPA 30B for LEVEL 1 AEROSOL.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use ventilation adequate to keep exposures below recommended exposure limits.

Personal Protective Equip:
- Eyes Protection: Wear eye/face protection.
- Hand Protection: Wear suitable gloves.
- Skin and Body Protection: Wear suitable protective clothing.
- Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane/ Isobutane</td>
<td>Not Established</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>Quaternary ammonium compounds</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear colorless liquid</td>
</tr>
<tr>
<td>Physical State</td>
<td>Mixture packaged in pressurized aerosol sp</td>
</tr>
<tr>
<td>Spec Grav./Density</td>
<td>1.00 - 1.02 g/ml</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&lt; 5 cSt</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;200°F (concentrate)</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non-flammable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not established</td>
</tr>
<tr>
<td>pH</td>
<td>11.0 - 12.0</td>
</tr>
<tr>
<td>Evap. Rate</td>
<td>&gt; 1 (BuAc=1)</td>
</tr>
<tr>
<td>Decomp Temp</td>
<td>Not established</td>
</tr>
<tr>
<td>Odor</td>
<td>Pine</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>&gt; 99%</td>
</tr>
<tr>
<td>Heat Value</td>
<td>Not established</td>
</tr>
<tr>
<td>Freezing/Melting Pt.</td>
<td>~ 32°F</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 200°F (concentrate)</td>
</tr>
<tr>
<td>VOC</td>
<td>3%</td>
</tr>
<tr>
<td>Auto-Ignition Temp</td>
<td>Not established</td>
</tr>
<tr>
<td>UFL/LFL</td>
<td>Not established</td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.

Conditions to Avoid: Heat, sparks, open flames and temperatures above 120°F

Materials to Avoid: Strong oxidizing or reducing agents.

Hazardous Decomposition: CO, CO₂, hydrocarbons, hydrogen chloride, amines and other organic materials and oxides of carbon and nitrogen.

Hazardous Polymerization: Will not occur.
TOXICOLOGICAL INFORMATION

Toxicity Data:

Eye Effects: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin Effects: May cause skin irritation. Handling can cause dry skin.
Acute Inhalation Effects: May cause respiratory tract irritation. This product may be aspirated onto the lungs and cause chemical pneumonitis.
Chronic Effects: Not Hazardous by WHMIS/OSHA criteria.
Carcinogenicity: Not Hazardous by WHMIS/OSHA criteria.
Mutagenicity: Not Hazardous by WHMIS/OSHA criteria.
Teratogenicity: Not Hazardous by WHMIS/OSHA criteria.

ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment
Persistence / Degradability: Not available.
Bioaccumulation / Accumulation: Not available.
Mobility in Environment: Not available.

DISPOSAL CONSIDERATIONS

Do not allow into drains or water sources. Waste and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, weather special waste regulations apply.

TRANSPORT INFORMATION

DOT Class: Non-Flammable Gas (2.2) #2.2
UN #: UN 1950, Class: 2, Proper Shipping Name: Aerosols, Non-flammable

DOT

<table>
<thead>
<tr>
<th>UN Number</th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Aerosols, non-flammable</td>
</tr>
<tr>
<td>Transport Hazard Class(es)</td>
<td>2.2</td>
</tr>
<tr>
<td>Class</td>
<td>2.2</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>---</td>
</tr>
<tr>
<td>Label(s)</td>
<td>2.2</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

IATA

| UN Number | UN1950 |
### UN proper shipping name
Aerosols, non-flammable

### Transport Hazard Class(es)
- **Class**: 2.2
- **Subsidiary risk**: ---
- **Label(s)**: 2.2
- **Packing group**: Not applicable
- **Environmental hazards**: Yes

### Other information
- **Passenger and cargo aircraft**: Allowed
- **Cargo aircraft only**: Allowed

### IMDG
- **UN Number**: UN1950
- **UN proper shipping name**: Aerosols, non-flammable

### COMPONENT / (CAS/PERC) / CODES

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>(CAS/PERC)</th>
<th>CODES</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Propane/ Isobutane</em></td>
<td>68476868 n/a%</td>
<td>TSCA</td>
</tr>
<tr>
<td><em>Quaternary ammonium compounds, benzyl-C12-18-alkylidimethyl, chlorides</em></td>
<td>68391015 n/a%</td>
<td>TSCA</td>
</tr>
<tr>
<td><em>Quaternary ammonium compounds, C12-18-alkyl[(ethylphenyl)methyl]dimethyl, chlorides</em></td>
<td>68956796 n/a%</td>
<td>TSCA</td>
</tr>
</tbody>
</table>

### REGULATORY KEY DESCRIPTIONS

- **TSCA = Toxic Substances Control Act**

### Proposition 65 - California Safe Drinking Water and Toxic Enforcement Act of 1986
This product is known to contain chemical(s) currently listed as carcinogens or reproductive toxins under California Proposition 65.
The information provided herein was believed to be accurate at the time of preparation and prepared from a compilation of sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of this product, and to determine the suitability of the product for its intended use.

**Publication Date:** 3/30/2015  
**Revision No.:** 1