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 Vision Clear Glass Cleaner GC S38
Revision Date: 3/19/2015
Version: 1
SDS Number: 5699-AP5699
Common Name: Aerosol Glass Cleaner
Product Use: Cleaner

2 HAZARDS IDENTIFICATION

Route of Entry: Skin; Eyes; Inhalation; Ingestion;
Target Organs: Skin; Eyes; Gastrointestinal tract; Respiratory system;
Inhalation: Vapours may cause drowsiness and dizziness. May cause respiratory tract irritation. This product may be aspirated into the lungs and cause chemical pneumonitis.
Skin Contact: May cause irritation.
Eye Contact: May cause irritation.
Ingestion: Not a normal route of exposure. Harmful: may cause lung damage if swallowed. Ingestion may cause nausea and vomiting.

NFPA: Health = 1, Fire = 2, Reactivity = 0
HMIS III: H2/F1/PH0
GHS Signal Word:
WARNING

GHS Hazard Pictograms:

GHS Classifications:
- Health, Skin corrosion/irritation, 2
- Health, Serious Eye Damage/Eye Irritation, 2 B
- Physical, Flammable Aerosols, 3

GHS Phrases:
- H315 - Causes skin irritation
- H320 - Causes eye irritation
- H229 - Pressurized container: may burst if heated

GHS Precautionary Statements:
- P102 - Keep out of reach of children.
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

CONDITIONS AGGRAVATED BY EXPOSURE: None known
LISTED CARCINOGENS: OSHA - Not listed IARC - Not listed NTP - Not listed

### COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**

<table>
<thead>
<tr>
<th>Cas #</th>
<th>Percentage</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>1-5%</td>
<td>Ethanol</td>
</tr>
<tr>
<td>111-76-2</td>
<td>1-5%</td>
<td>2-Butoxyethanol</td>
</tr>
<tr>
<td>75-28-5</td>
<td>1-5%</td>
<td>Isobutane</td>
</tr>
<tr>
<td>74-98-6</td>
<td>1-5%</td>
<td>Propane</td>
</tr>
<tr>
<td>110-91-8</td>
<td>0.1 - 0.5%</td>
<td>Morpholine</td>
</tr>
<tr>
<td>67-63-0</td>
<td>0.1 - 0.5%</td>
<td>2-Propanol</td>
</tr>
</tbody>
</table>

### 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: Flammability per Flame Projection Test  Non-flammable
Flash Point: >220 F (Concentrate Only)
Flash Point Method: TCC
Burning Rate: NA
Autoignition Temp: NOT EST
LEL: NOT EST
UEL: NOT EST

Flammability: Not flammable by WHMIS/OSHA criteria.
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. VAPOR HARMFUL. 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 Aerosols.
8 EXPOSURE CONTROLS/PERSOAL PROTECTION

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

Personal Protective Equipment:
- HMIS PP, P | Gloves
- HMIS PP, A | Safety Glasses
- 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>Ingredient</th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>25 ppm</td>
<td>25 ppm</td>
</tr>
<tr>
<td>Isobutane</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Propane</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Morpholine</td>
<td>20 ppm (70 mg/m³)</td>
<td>20 ppm</td>
</tr>
<tr>
<td>2-Propanol</td>
<td>400 ppm</td>
<td>200 ppm (400 ppm STEL)</td>
</tr>
</tbody>
</table>

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colorless clear liquid with floral odor</td>
</tr>
<tr>
<td>Physical State</td>
<td>Aerosol Spray</td>
</tr>
<tr>
<td>Spec Grav./Density</td>
<td>0.995-1.005 g/ml</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&lt;5 cSt</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;200°F</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non-flammable</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not Established</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Established</td>
</tr>
<tr>
<td>pH</td>
<td>11.15-11.25</td>
</tr>
<tr>
<td>Evap. Rate</td>
<td>&lt;1.00</td>
</tr>
<tr>
<td>Decomp Temp</td>
<td>Not Established</td>
</tr>
<tr>
<td>Odor</td>
<td>minty</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>&gt; 99%</td>
</tr>
<tr>
<td>Freezing/Melting Pt.</td>
<td>~ 212°F (~100C)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not Applicable (concentrate)</td>
</tr>
<tr>
<td>Octanol</td>
<td>Not Established</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not Established</td>
</tr>
<tr>
<td>VOC</td>
<td>9.34%</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>8.30 - 8.38 pounds/gallon</td>
</tr>
<tr>
<td>Auto-Ignition Temp</td>
<td>Not Applicable (concentrate)</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 Agents.
Hazardous Decomposition: CO, CO₂, and hydrocarbons.
Hazardous Polymerization: Will not occur.
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

Readily biodegradable.

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. Dispose of in accordance with local regulations. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether special waste regulations apply.
DOT Class: Non-Flammable Gas (2.2) #2.2
UN #: UN 1950

DOT
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

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 No
Other information
  Passenger and cargo aircraft Allowed
  Cargo aircraft only Allowed

IMDG
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 No
COMPONENT / (CAS/PERC) / CODES

*Ethanol (64175 1-5%) MASS, OSHAWAC, PA, TSCA, TXAIR

*2-Butoxyethanol (111762 0.1-1%) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

*Isobutane (75285 1-5%) MASS, PA, TSCA

*Propane (74986 0.1-1%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

*Morpholine (110918 n/a%) MASS, OSHAWAC, PA, TSCA, TXAIR

California Proposition 65
This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

*2-Propanol (67630 n/a%) MASS, NJHS, NRC, OSHAWAC, PA, SARA313, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
OSHA WAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

HAP = Hazardous Air Pollutants

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
NJ EHS = NJ Extraordinarily Hazardous Substances

NJHS = NJ Right-to-Know Hazardous Substances

NRC = Nationally Recognized Carcinogens
SARA313 = SARA 313 Title III Toxic Chemicals
This information is given in good faith and based on our current knowledge of the product.

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