Section 1. Identification of the Substance/Mixture and its Supplier

Supplier:
PRO Chemical & Dye
126 Shove Street
Fall River, MA 02724

Product Name: Glycerin
Chemical Name: Mixture
Product Use: 
Emergency Telephone Number
800-255-3924 ChemTel. (United States)
+1 01 813-248-0585 (Outside the United States)

Section 2. Hazards Identification

GHS Classification Not classified
Pictogram(s)
Signal Word
Hazard Statement(s) Not hazardous by GHS
Precautionary Statement(s)
Prevention: None
Response: None
Storage: None
Disposal: None

Section 3. Composition/Information on Ingredients

Name of Hazardous Component/Composition CAS Number % by Weight
Glycerin 56-81-5 99.5 Not Classified

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4. First Aid Measures

Eye Contact Flush with water for at least 15 minutes.
Skin Contact Wash thoroughly with soap and water.
Ingestion Drink 1-2 glasses of water. Do not induce vomiting. Do not give liquids to drowsy, convulsing, or unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Seek immediate medical attention.
Inhalation
Supply fresh air or oxygen; call for doctor. In case of unconsciousness, place patient stably in side position for transportation.

Most important symptoms/effects, acute and delayed:
Skin contact may cause mild irritation and eye contact may cause mild eye irritation. Inhalation of vapors/fumes may cause mild respiratory irritation. Ingestion may cause gastro-intestinal irritation.

Section 5. Fire Fighting Measures

Fire Extinguishing Media: Water, foam, dry chemical, carbon dioxide.

Specific Hazards arising from the chemical: At high temperatures, this product decomposes to give off hydrochloric acid gas plus other toxic and irritation vapors, such as phosgene. Exposure to excessive heat may build up pressure in closed containers.

Special Protective Equipment And precautions for fire-fighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-containing breathing apparatus with full faceplate operated in the pressure demand mode.

Section 6. Accidental Release Measures

Personal Precautions: Wear the required PPE as described in section 8. Ensure adequate ventilation, and evacuate personnel to safe areas if necessary.

Methods and Materials for containment and cleaning up: KEEP FROM FREEZING. Absorb with liquid binding material and dispose of in accordance with regulations.

Section 7. Handling and Storage

Precautions for Safe Handling Use appropriate PPE (see section 8). Keep container closed when not in use. Avoid contact with eyes and skin. Wash thoroughly after handling. Assure adequate ventilation.

Conditions for Safe Storage Keep away from extreme hot and cold. Store away from oxidizing agents. Keep container tightly sealed.

Section 8. Exposure Controls/Personal Protection

Product: OSHA (TWA) ACGIH (TWA)
None

Engineering Controls: Exhaust ventilation should always be provided to prevent routine inhalation and build-up of heavy solvent vapors on floor. Maintain air below TLV recommendation.
Personal Protective Equipment (PPE):

Eyes: Chemical goggles recommended if splashing/eye contact is possible

Body: impermeable gloves for prolonged and repeated skin contact

Respiratory: Wear a NIOSH respirator whenever exposure to fumes and vapors exceeds the TLV recommendation.

Other Protective Equipment: Eye bath and safety shower.

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>colorless to pale yellow</td>
</tr>
<tr>
<td>Solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Odor</td>
<td>odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
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</tr>
<tr>
<td>pH(100%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>390 degrees F, 199 degrees C</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Explosion Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Explosion Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Coefficient: n-octanol/water</td>
<td>Not available</td>
</tr>
<tr>
<td>% Volatiles by Volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability</td>
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</tr>
<tr>
<td>Boiling Point</td>
<td>390 degrees F</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
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<tr>
<td>Vapor Density (Air = 1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure (mmHg)</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity (@20 C)</td>
<td>1.262</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Section 10. Stability and Reactivity

Reactivity: Not normally reactive
Stability: Stable
Hazardous Decomposition Products: At high temperatures, this product decomposes to give off hydrochloric acid gas plus other toxic and irritation vapors, such as phosgene.
Hazardous Polymerization: Will not occur
Incompatibilities: Avoid contact with strong oxidizers and acids, selected amines, alkalines and halogens
Conditions to Avoid: Avoid extreme heat and cold

Section 11. Toxicological Information

Routes of Entry: Inhalation, Dermal, Ingestion
Toxicity Data: \( \text{LD}_{50} \) (oral, dermal, inhalation) > 2000mg/kg
Carcinogenicity Data: conclusive but not sufficient for classification
Reproductive Effects: conclusive but not sufficient for classification
Mutagenicity Data: conclusive but not sufficient for classification

Potential Health Effects:

Eyes Contact: May cause irritation to eyes
Inhalation: Acute-inhalation of vapors may be irritating.
Skin Contact: May cause skin irritation.
Ingestion: May cause irritation to digestive tract.
Chronic Effects: None known

Section 12. Ecological Information
Environmental Toxicity: No data available
Persistence and Degradability: No data available
Bioaccumulative Potential: No data available
Mobility in soil: No data available

Section 13. Disposal Considerations
Waste Information: Dispose waste in sanitary landfill in accordance with Federal, State, and Local regulations.

Section 14. Transportation Information
Hazard Class None
D.O.T. Shipping name Not regulated
UN Number None

Section 15. Regulatory Information
CERCLA: This product is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

Section 302 (EHS):

Section 304 EHS:

SARA Hazard Category (311/312):
Acute Health: no
Chronic Health: no
Fire Hazard: no
Reactivity: no
Sudden Release of Pressure: no

SARA 313: (list chemicals and %)

EPA TSCA Inventory: All the ingredients are listed on the TSCA inventory.
Section 16. Other Information

SDS Date: 6-22-19

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