Safety Data Sheet

Section 1: Identification

Product identifier
Product Name: REAL COOL SNOOP®

Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Liquid leak detector to be used on external surfaces only. Optimum operating temperatures are between -65F and 200F (-54C and 93C).

Details of the supplier of the safety data sheet
Manufacturer: Swagelok Manufacturing Company
29495 F.A. Lennon Dr.
Solon, OH 44139
United States

Telephone (General) 440-349-5600

Emergency telephone number
(800)-424-9300 - Chemtrec

Section 2: Hazard Identification

EU/EEC
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

Classification of the substance or mixture
DSD/DPD: • Harmful (Xn)
R22

Label Elements
DSD/DPD

Risk phrases: • R22 - Harmful if swallowed.
Safety phrases: • S2 - Keep out of reach of children.
Other Hazards
DSD/DPD: • According to European Directive 1999/45/EC this preparation is considered dangerous.
United States (US)
According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture
OSHA HCS 2012

- Skin Irritation 2 - H315
- Eye Mild Irritation 2B - H320
- Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
- Specific Target Organ Toxicity Single Exposure 1 - H370
- Reproductive Toxicity 1B - H360

Label elements
OSHA HCS 2012

DANGER

Hazard statements

- H316 - Causes mild skin irritation
- H320 - Causes eye irritation
- H370 - Causes damage to organs - Liver and Kidney
- H360 - May damage fertility or the unborn child.

Precautionary statements

Prevention

- P202 - Do not handle until all safety precautions have been read and understood.
- P261 - Avoid breathing dust, fume, gas, mist, vapours and/or spray.
- P264 - Wash thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P281 - Use personal protective equipment as required.

Response

- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell. If concerned get medical advice/attention

Storage/Disposal

- P405 - Store locked up.
- P233 - Keep container tightly closed.
- P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards
OSHA HCS 2012

- No data available

Canada
According to WHMIS

Classification of the substance or mixture
WHMIS

- Other Toxic Effects - D2A
- Other Toxic Effects - D2B
Toxic - D1B

**Label elements**

- WHMIS

  ![Icon](image)

  - Other Toxic Effects - D2A
    - Other Toxic Effects - D2B
    - Toxic - D1B

**Other hazards**

- WHMIS • In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

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**Other information**

![NFPA](image)

See Section 12 for Ecological Information.

### Section 3 - Composition/Information on Ingredients

**Substances**

- Material does not meet the criteria of a substance.

**Mixtures**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>% (weight)</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Ethanediol</td>
<td>CAS: 107-21-1, EC Number: 203-473-3</td>
<td>&lt; 60%</td>
<td>Ingestion/Oral-Rat LD50 • 4700 mg/kg&lt;br&gt;Skin-Rabbit LD50 • 9530 µL/kg</td>
<td>EU DSD/DPD: Annex I - Xn R22</td>
<td></td>
</tr>
</tbody>
</table>

See Section 11 for Toxicological Information.

### Section 4: First-Aid Measures

**Description of first aid measures**

**Inhalation**

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

**Skin**

- If irritation develops and persists, get medical attention. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes.
**Eye**
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

**Ingestion**
- If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person. If large quantities are swallowed, call a physician immediately.

**Most important symptoms and effects, both acute and delayed**
- No data available

**Indication of any immediate medical attention and special treatment needed**
- Early administration of ethanol may counter the toxic effects of ethylene glycol (metabolic acidosis and renal damage). Hemodialysis or peritoneal dialyses have been of benefit.

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### Section 5: Fire-Fighting Measures

**Extinguishing media**

**Suitable Extinguishing Media**
- Alcohol resistant foams (ATC type) are preferred if available. Do not use a direct water stream. General purpose synthetic foams (including AFFF) or protein foams may function, but much less effectively.

**Unsuitable Extinguishing Media**
- None known.

**Firefighting Procedures**
- As an immediate precautionary measure, isolate spill or leak area.
  - Keep unauthorized personnel away.
  - Stay upwind.

**Special hazards arising from the substance or mixture**

**Unusual Fire and Explosion Hazards**
- No unusual fire or explosion hazards anticipated.

**Hazardous Combustion Products**
- May produce carbon monoxide and carbon dioxide. May produce trace amounts of aldehydes and organic acids.

**Advice for firefighters**
- Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
  - Structural firefighters’ protective clothing will only provide limited protection.

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### Section 6 - Accidental Release Measures

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

**Personal Precautions**
- Avoid any skin contact. Do not touch or walk through spilled material. Stay upwind.

**Emergency Procedures**
- As an immediate precautionary measure, isolate spill or leak area. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area)

**Environmental precautions**
- Runoff from fire control may cause pollution.

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

**Containment/Clean-up Measures**
- Stop leak if you can do it without risk.
  - SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
  - Prevent runoff from entering drains, sewers, and streams.
LARGE SPILLS: Dike ahead of liquid spill for later disposal.

**Section 7 - Handling and Storage**

**Precautions for safe handling**

**Handling**
- Use good safety and industrial hygiene practices. Use only with adequate ventilation. Wash hands thoroughly after handling and before eating, drinking, or smoking.

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

**Storage**
- Store in a well-ventilated place. Keep container tightly closed.

**Incompatible Materials or Ignition Sources**
- Keep away from oxidizing agents.

**Section 8 - Exposure Controls/Personal Protection**

**Control parameters**

<table>
<thead>
<tr>
<th>Result</th>
<th>ACGIH</th>
<th>Canada Ontario</th>
<th>Canada Quebec</th>
<th>China</th>
<th>Germany DFG</th>
</tr>
</thead>
<tbody>
<tr>
<td>STELs</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>40 mg/m3 STEL</td>
<td>Not established</td>
</tr>
<tr>
<td>TWAs</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>20 mg/m3 TWA</td>
<td>Not established</td>
</tr>
<tr>
<td>Ceilings</td>
<td>100 mg/m3 Ceiling (aerosol only)</td>
<td>100 mg/m3 Ceiling (aerosol only)</td>
<td>50 ppm Ceiling (mist and vapor); 127 mg/m3 Ceiling (mist and vapor)</td>
<td>Not established</td>
<td>20 ppm Peak; 52 mg/m3 Peak</td>
</tr>
<tr>
<td>MAKs</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>10 ppm TWA MAK; 26 mg/m3 TWA MAK</td>
</tr>
</tbody>
</table>

**Exposure Limits/Guidelines (Cont.)**

<table>
<thead>
<tr>
<th>Result</th>
<th>Germany TRGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWAs</td>
<td>10 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2); 26 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)</td>
</tr>
</tbody>
</table>

**Exposure controls**

**Engineering Measures/Controls**
- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

**Personal Protective Equipment**

**Pictograms**

- ![Respiratory](image)
- ![Eye/Face](image)

**Respiratory**
- In case of insufficient ventilation, wear suitable respiratory equipment.

**Eye/Face**
- Wear protective eyewear (goggles, face shield, or safety glasses).

**Hands**
- Wear appropriate gloves.

**Skin/Body**
- No data available

**General Industrial Hygiene Considerations**
- Handle in accordance with good industrial hygiene and safety practice. Do not get in eyes or on skin or clothing. Do not eat, drink or smoke during work. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.
## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Liquid</th>
<th>Appearance/Description</th>
<th>Colorless, odorless liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Liquid</td>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
<td>Particulate Type</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Taste</td>
<td>No data available</td>
<td>Aerosol Type</td>
<td>Not relevant</td>
</tr>
<tr>
<td>Particulate Size</td>
<td>Not relevant</td>
<td>Physical and Chemical Properties</td>
<td>No data available</td>
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<tr>
<td>Odor Threshold</td>
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<td>Physical and Chemical Properties</td>
<td>No data available</td>
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</table>

### General Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>387 F (197.2222°C)</td>
</tr>
<tr>
<td>Melting Point</td>
<td>&lt;= -65 F (&lt;= -53.8889°C)</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Heat of Decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>6 to 7.5</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.1 g/mL</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Solvent Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>No data available</td>
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<tr>
<td>Oxidizing Properties:</td>
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</tbody>
</table>

### Volatility

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure</td>
<td>0.12 mmHg (torr)</td>
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<tr>
<td>Vapor Density</td>
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<tr>
<td>Evaporation Rate</td>
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<tr>
<td>VOC (Wt.)</td>
<td>No data available</td>
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<tr>
<td>VOC (Vol.)</td>
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<tr>
<td>Volatiles (Wt.)</td>
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</tr>
<tr>
<td>Volatiles (Vol.)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### Flammability

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>&gt; 230 F (&gt; 110°C)</td>
</tr>
<tr>
<td>LEL</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition</td>
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</tr>
<tr>
<td>Self-Accelerating Decomposition Temperature (SADT)</td>
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</tr>
<tr>
<td>Heat of Combustion (ΔHc)</td>
<td>No data available</td>
</tr>
<tr>
<td>Burning Time</td>
<td>No data available</td>
</tr>
<tr>
<td>Flame Duration</td>
<td>No data available</td>
</tr>
<tr>
<td>Flame Height</td>
<td>No data available</td>
</tr>
<tr>
<td>Flame Extension</td>
<td>No data available</td>
</tr>
<tr>
<td>Ignition Distance</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### Environmental

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Octanol/Water Partition coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Coefficient of water/oil distribution</td>
<td>No data available</td>
</tr>
<tr>
<td>Bioaccumulation Factor</td>
<td>No data available</td>
</tr>
<tr>
<td>Bioconcentration Factor</td>
<td>No data available</td>
</tr>
<tr>
<td>Biochemical Oxygen Demand BOD/BOD5</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Section 10: Stability and Reactivity

Reactivity
• No dangerous reaction known under conditions of normal use.

Chemical stability
• Stable

Possibility of hazardous reactions
• Hazardous polymerization will not occur.

Conditions to avoid
• Excessive heats, sparks, and open flames.

Incompatible materials
• Oxidizing agents.

Hazardous decomposition products
• Under fire conditions may produce carbon monoxide and carbon dioxide. May produce trace amounts of aldehydes and organic acids.

Section 11 - Toxicological Information

Information on toxicological effects

Other Material Information
• Based on components of this material exposure may cause mild eye irritation, mild skin irritation, CNS effects. This material is harmful if swallowed and if ingested in significant quantities may cause acute toxicity. This material contains ethylene glycol, which when ingested can cause kidney and liver damage. Ethylene glycol has also been shown to cause birth defects in animals when ingested.

Component Name | CAS  | Acute Toxicity: orl-rat LD50:4700 mg/kg; orl-rat TDL0:1000 mg/kg; ihl-rat TCL0:198 mg/m3/4H/122D-l; skn-rbt TDL0:100 pph/20M; Irritation: eye-rbt 1440 mg/6H MOD; skn-rbt 555 mg open MLD; Reproductive: orl-rat TDL0:8580 mg/kg (6-15D preg); ihl-rat TCL0:2500 mg/m3/6H (6-15D preg)
---|---|---
1, 2-Ethanediol (55% TO 65%) | 107-21-1 |  

GHS Properties

Acute toxicity | OSHA HCS 2012•Data lacking
Aspiration Hazard | OSHA HCS 2012•Data lacking
Carcinogenicity | OSHA HCS 2012•Data lacking
Germ Cell Mutagenicity | OSHA HCS 2012•Data lacking
Respiratory sensitization | OSHA HCS 2012•Data lacking
Serious eye damage/Irritation | OSHA HCS 2012•Eye Mild Irritation 2B
Skin corrosion/Irritation | OSHA HCS 2012•Skin Irritation 2
Skin sensitization | OSHA HCS 2012•Data lacking
STOT-RE | OSHA HCS 2012•Data lacking
STOT-SE | OSHA HCS 2012•Specific Target Organ Toxicity Single Exposure 1; Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Toxicity for Reproduction | OSHA HCS 2012•Toxic to Reproduction 1B
Target Organs
- Liver, Kidney

Route(s) of entry/exposure
- Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation

Acute (Immediate)
- Overexposure may affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

Chronic (Delayed)
- No data available.

Skin

Acute (Immediate)
- Causes mild skin irritation.

Chronic (Delayed)
- No data available.

Eye

Acute (Immediate)
- Causes eye irritation.

Chronic (Delayed)
- No data available.

Ingestion

Acute (Immediate)
- May be harmful if swallowed. May affect the kidney. Symptoms may include but are not limited to fatigue, confusion, nausea, vomiting, shortness of breath, seizures, or a dramatic decrease in urine output and in some cases blood in the urine.

Chronic (Delayed)
- Long term exposure to 1 to 2% ethylene glycol produced liver damage, kidney damage and bladder stones in rats.

Reproductive Effects
- Ingestion of large amounts of ethylene glycol has been shown to interfere with reproduction.

Section 12 - Ecological Information

Toxicity
- No data available

Persistence and degradability
- No data available

Bioaccumulative potential
- No data available

Mobility in Soil
- No data available

Other adverse effects
- No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Section 14 - Transport Information

<table>
<thead>
<tr>
<th></th>
<th>14.1 UN number</th>
<th>14.2 UN proper shipping name</th>
<th>14.3 Transport hazard class(es)</th>
<th>14.4 Packing group</th>
<th>14.5 Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>TDG</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
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<tr>
<td>IATA/ICAO</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
</tbody>
</table>

Special precautions for user:
- No special precautions.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
- This product is provided only in non-bulk containers.

Other information:
- This material is not a regulated hazardous material with respect to the following transportation regulations: United States Department of Transportation (US DOT), Canadian Transportation of Dangerous Goods (TDG), Europe Transport of Dangerous Goods by Road/Inland Waterway (ADN), Europe Transport of Dangerous Goods by Road/Inland Waterway (ADR), International Air Transport Association (IATA) or International Maritime Transport (IMO/IMDG).

DOT • According to United States Department of Transportation (DOT) 49 CFR 172.101 - Table 1 to Appendix A - the ethylene glycol contained in this material has a reportable quantity (RQ) of 5000 lbs (2270 kg).

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications
- Acute, Chronic

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>1,2-Ethandiol</td>
<td>107-21-1</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Surfactant</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Proprietary</td>
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<tr>
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</table>
## Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>China</th>
<th>EU EINECS</th>
<th>EU ELNICS</th>
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<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>1,2-Ethanediol</td>
<td>107-21-1</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Surfactant</td>
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</table>

## Inventory (Con't.)

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<tr>
<th>Component</th>
<th>CAS</th>
<th>Japan ENCS</th>
<th>Korea KECL</th>
<th>TSCA</th>
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<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>1,2-Ethanediol</td>
<td>107-21-1</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Surfactant</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Proprietary</td>
<td>Proprietary</td>
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<tr>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Australia

#### Labor

**Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring**
- Proprietary Proprietary < 1.0% Not Listed
- Proprietary Proprietary < 1.0% Not Listed
- 1,2-Ethanediol 107-21-1 < 60% Not Listed
- Water 7732-18-5 > 37.98% Not Listed

**Australia - High Volume Industrial Chemicals List**
- Proprietary Proprietary < 1.0% Not Listed
- Proprietary Proprietary < 1.0% Not Listed
- 1,2-Ethanediol 107-21-1 < 60% Not Listed
- Water 7732-18-5 > 37.98% Not Listed

**Australia - List of Designated Hazardous Substances - Classification**
- Proprietary Proprietary < 1.0% Not Listed
- Proprietary Proprietary < 1.0% Not Listed
- 1,2-Ethanediol 107-21-1 < 60% Xn R22
- Water 7732-18-5 > 37.98% Not Listed

### Environment

**Australia - National Pollutant Inventory (NPI) Substance List**
- Proprietary Proprietary < 1.0% Not Listed
- Proprietary Proprietary < 1.0% Not Listed
- 1,2-Ethanediol 107-21-1 < 60% 10 tonne/yr Threshold category 1
- Water 7732-18-5 > 37.98% Not Listed

**Australia - Ozone Protection Act - Scheduled Substances**
- Proprietary Proprietary < 1.0% Not Listed
- Proprietary Proprietary < 1.0% Not Listed
- 1,2-Ethanediol 107-21-1 < 60% Not Listed
- Water 7732-18-5 > 37.98% Not Listed

**Australia - Priority Existing Chemical Program**
- Proprietary Proprietary < 1.0% Not Listed
- Proprietary Proprietary < 1.0% Not Listed
- 1,2-Ethanediol 107-21-1 < 60% Not Listed
- Water 7732-18-5 > 37.98% Not Listed

### Canada

#### Labor
Canada - WHMIS - Classifications of Substances

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% D1B, D2A
• Water 7732-18-5 > 37.98% Uncontrolled product according to WHMIS classification criteria

Canada - WHMIS - Ingredient Disclosure List

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% 1 %
• Water 7732-18-5 > 37.98% Not Listed

Environment

Canada - CEPA - Priority Substances List

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Priority Substance List 2 (substance not considered toxic)
• Water 7732-18-5 > 37.98% Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Xn; R22
• Water 7732-18-5 > 37.98% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Not Listed
• Water 7732-18-5 > 37.98% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Xn: R22 S:(2)
• Water 7732-18-5 > 37.98% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Not Listed
• Water 7732-18-5 > 37.98% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% S:(2)
• Water 7732-18-5 > 37.98% Not Listed

Mexico

Other

Mexico - Hazard Classifications

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Not Listed
• Water 7732-18-5 > 37.98% Not Listed

Mexico - Regulated Substances

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
United States

Labor

<table>
<thead>
<tr>
<th>U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals</th>
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<th>U.S. - EPA - Designated Generic Categories - Warfarin and Salts</th>
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</table>
United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Not Listed
• Water 7732-18-5 > 37.98% Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Not Listed
• Water 7732-18-5 > 37.98% Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Not Listed
• Water 7732-18-5 > 37.98% Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Not Listed
• Water 7732-18-5 > 37.98% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Not Listed
• Water 7732-18-5 > 37.98% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Not Listed
• Water 7732-18-5 > 37.98% Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60%
• Water 7732-18-5 > 37.98% Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60%
• Water 7732-18-5 > 37.98% Not Listed

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

• Proprietary Proprietary < 1.0% Not Listed
• Proprietary Proprietary < 1.0% Not Listed
• 1,2-Ethanediol 107-21-1 < 60% Toxic; Flammable
• Water 7732-18-5 > 37.98% Not Listed
## Section 16 - Other Information

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<tr>
<td>Disclaimer/Statement of Liability</td>
<td>The information herein is given in good faith but no warranty, expressed or implied, is made.</td>
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