SECTION 1: Identification

1.1 Product identifier

Product name EnviroLac 15 Sheen Satin Clear Acrylic Topcoat

Supplier's details

Name Premier Finishes Inc.
Address PO Box 3146
Oregon City, OR 97045
USA

Telephone 503-241-2770
Fax 503-241-2363
email office@premierfinishes.net

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

2.2 GHS label elements, including precautionary statements

Pictogram

信号词

Warning
Hazard statement(s)
H317 May cause an allergic skin reaction
H303 May be harmful if swallowed
H333 May be harmful if inhaled

Precautionary statement(s)
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P501 Dispose of contents/container to an approved waste disposal plant.
P102 Keep out of reach of children.
P103 Read label before use.

SECTION 3: Composition/information on ingredients

3.2 1. MONOETHANOLAMINE
Concentration > 0.1 - < 0.2 %
EC no. 205-483-3
CAS no. 141-43-5
Index no. 603-030-00-8

2. Poly(ethylene glycol-ran-propylene glycol) monobutyl ether
Concentration > 0.1 - < 0.4 %
CAS no. 9038-95-3

3. 2-(2-BUTOXYETHOXY)ETHANOL
Concentration > 2.3 - < 2.4 %
EC no. 203-961-6
CAS no. 112-34-5
Index no. 603-096-00-8

4. Dipropylene glycol monomethyl ether
Concentration > 5 - < 7 %
CAS no. 34590-94-8

Trade secret statement (OSHA 1910.1200(i))
Any concentration shown as a range is to protect confidentiality or due to batch variation.
See OSHA 1910.1200(i)

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled If inhaled: Call a poison center or doctor if you feel unwell. Delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain, nausea, dizziness, breathing difficulty, headaches, and loss of coordination. Effects from vapors or spray mists in poorly ventilated areas may include irritation of the mucus membranes.

In case of skin contact Wash with plenty of soap and water for at least 15 minutes. Call a poison center or doctor if you feel unwell. Delayed symptoms and effects: May cause skin irritation or sensitivity. Signs/symptoms may include localized redness, cracks, swelling, itching, and dermatitis.
In case of eye contact
Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

If swallowed
Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.2 Most important symptoms/effects, acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Foam, alcohol foam, CO2, dry chemical, water fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Specific hazards arising from the chemical
Closed containers may rupture if exposed to fire or extreme heat due to build-up of steam pressure.

5.3 Special protective actions for fire-fighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water spray may be used to cool closed containers to prevent pressure build-up and possible rupture of containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

6.2 Environmental precautions
Keep out of drains, sewers, ditches, and waterways.

6.3 Methods and materials for containment and cleaning up
Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed. Keep out of the reach of children. Do not freeze. Product will not recover.
SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls
If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Safety glasses with side-shields.

Skin protection
Protective gloves and impervious clothing.

Body protection
Wear suitable protective clothing.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/form (physical state, color, etc.)</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>No data available.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined.</td>
</tr>
<tr>
<td>pH</td>
<td>8.8</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>32°F / 0°C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>212°F / 100°C</td>
</tr>
<tr>
<td>Flash point</td>
<td>None (closed cup)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Slower than ether</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability limits</td>
<td>No data available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Heavier than air</td>
</tr>
<tr>
<td>Relative density</td>
<td>8.7 lb/gl</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>In water</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>None</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>28-32 3ZAHN</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>None</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available.</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

10.1 Reactivity
No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur. Hazardous polymerization does not occur.

10.4 Conditions to avoid
No data available.

10.5 Incompatible materials
No data available.

10.6 Hazardous decomposition products
No data available.

SECTION 11: Toxicological information

Acute toxicity
Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Skin corrosion/irritation
May cause skin irritation. Signs/symptoms may include localized redness, cracks, swelling, dermatitis and itching.

Serious eye damage/irritation
May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, burning, blurred or hazy vision.

Respiratory or skin sensitization
No data available.

Germ cell mutagenicity
No data available.

Carcinogenicity
No data available.

Reproductive toxicity
No data available.

Summary of evaluation of the CMR properties
No data available.

STOT-single exposure
No data available.

STOT-repeated exposure
No data available.
Aspiration hazard
No data available.

Additional information
No data available.

SECTION 12: Ecological information

Toxicity
No data available.

Persistence and degradability
No data available.
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Dipropylene glycol monomethyl ether: Biodegradability aerobic - Exposure time 28 d
Result: 76 % - Readily biodegradable
(OECD Test Guideline 301F)

Bio-accumulative potential
No data available.
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Dipropylene glycol monomethyl ether:

Does not bio-accumulate

Mobility in soil
No data available.

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects
No data available.

SECTION 13: Disposal considerations

Disposal of the product
Dispose of contents/containers in accordance with local regulations.

Disposal of contaminated packaging
Do not reuse empty containers.

Waste treatment
Dispose of contents/containers in accordance with local regulations.

Sewage disposal
Dispose of contents/containers in accordance with local regulations.

Other disposal recommendations
Dispose of contents/containers in accordance with local regulations.
SECTION 14: Transport information

DOT (US), IMDG, IATA
Not dangerous goods

SECTION 15: Regulatory information

HMIS Rating

<table>
<thead>
<tr>
<th>10-700</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
</tr>
</tbody>
</table>

NFPA Rating

SECTION 16: Other information

Do not freeze. Product will not recover.

16.1 Further information/disclaimer

While the description, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for guidance only. Because many factors may affect application/use, it is recommended that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding the product described, data, or information set forth, or that the product, data, or information may be used without infringing the intellectual property rights of others. In no case shall the description, information, or data provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the description, data, and information furnished herein are given gratis and we assume no obligation or liability for the description, data, and information given or results obtained, all such being given and accepted at your risk. The content of this SDS (a.k.a. MSDS) is copyrighted [(c) PFI]. This SDS may be shared, without changes, and no changes to the PFI content are authorized. Updates to all PFI SDS documents must be obtained directly from PFI. See Section 1 for PFI contact and website information.