



PREMIER FINISHES INC.

Safety Data Sheet
10-721

SECTION 1: Identification

Product identifier

Product name **EnviroLac U 40 Sheen Low Solids Clear Urethane**

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

PremierFinishes.net

SECTION 2: Hazard identification

Pictogram



Signal word

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

1. N-METHYL-2-PYRROLIDONE

Concentration > 6 - < 7.5 %
EC no. 212-828-1
CAS no. 872-50-4
Index no. 606-021-00-7

2. TRIETHYLAMINE

Concentration > 0.6 - < 1.4 %
EC no. 204-469-4
CAS no. 121-44-8
Index no. 612-004-00-5

3. Poly(ethylene glycol-ran-propylene glycol) monobutyl ether

Concentration > 0.3 - < 0.42 %
CAS no. 9038-95-3

4. Dipropylene glycol monomethyl ether

Concentration > 4.5 - < 4.9 %
CAS no. 34590-94-8

5. 2-(2-BUTOXYETHOXY)ETHANOL

Concentration > 0.2 - < 0.31 %
EC no. 203-961-6
CAS no. 112-34-5
Index no. 603-096-00-8

6. 2-Butoxyethanol

Concentration > 0.1 - < 0.3 %
EC no. 203-905-0
CAS no. 111-76-2
Index no. 603-014-00-0

7. Poly(ethylene), oxidized

Concentration > 0.4 - < 0.8 %
CAS no. 68441-17-8

8. Tall Oil Fatty Acids

Concentration > 0.2 - < 0.8 %
CAS no. 61790-12-3

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

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

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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.

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

Suitable extinguishing media

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

Specific hazards arising from the chemical

Closed containers may rupture if exposed to fire or extreme heat due to build-up of steam pressure.

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

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Environmental precautions

Keep out of drains, sewers, ditches, and waterways.

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

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.

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

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.

Pictograms



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

Appearance/form (physical state, color, etc.)	Liquid
Odor	No data available.
Odor threshold	Not determined.
pH	8 - 9
Melting point/freezing point	32°F / 0°C
Initial boiling point and boiling range	212°F / 100°C
Flash point	None (closed cup)
Evaporation rate	Slower than ether
Flammability (solid, gas)	Not applicable.
Upper/lower flammability limits	No data available.
Vapor pressure	No data available.
Vapor density	Heavier than air

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Relative density	8.53 lb/gl
Solubility	In water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	None
Decomposition temperature	No data available.
Viscosity	40-50 3ZAHN
Explosive properties	None
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

Reactivity

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

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

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

Conditions to avoid

No data available.

Incompatible materials

No data available.

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.

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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.

Dipropylene glycol monomethyl ether: Biodegradability aerobic - Exposure time 28 d
Result: 76 % - Readily biodegradable
(OECD Test Guideline 301F)

Dipropylene glycol butoxy ether:
<http://webnet.oecd.org/Hpv/UI/handler.axd?id=312b87f0-63b5-4e78-82b5-b53bc3f7b0d3>

Propylene glycol ethers are unlikely to persist in the environment. Once in air, the half-life of the category members due to direct reactions with photochemically generated hydroxyl radicals, range from 2.0 hours for TPM to 4.6 hours for PnB. In water, 3 of the 4 new category members and all 3 existing members are "readily biodegradable" under aerobic conditions. (DPMA degraded within 28 days (and within the specified 10-day window) but only using pre-adapted or "acclimated" inoculum.) In soil, biodegradation is rapid for PM and PMA. Acute aquatic toxicity testing indicates low toxicity for both ethers and acetates. For ethers, effect concentrations are > 500 mg/L. For acetates, effect concentrations are > 151 mg/L.

2-(2-BUTOXYETHOXY)ETHANOL: Biodegradability aerobic - Exposure time 28 d
Result: 91.7 % - Readily biodegradable
(OECD Test Guideline 301B)

Bioaccumulative potential

No data available.

Dipropylene glycol monomethyl ether:
<http://webnet.oecd.org/ccrweb/ChemicalDetails.aspx?ChemicalID=0F505FF5-E297-4D11-B841-AE6B73A2C59C>

Does not bioaccumulate

Dipropylene glycol butoxy ether:
<http://webnet.oecd.org/Hpv/UI/handler.axd?id=312b87f0-63b5-4e78-82b5-b53bc3f7b0d3>

For this class of chemical, Calculated BCF's range from 1.47 for DPnB to 3.16 for DPMA and TPM, indicating low bioaccumulation.

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2-(2-BUTOXYETHOXY)ETHANOL: Does not bioaccumulate.

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

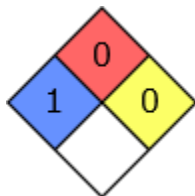
Not dangerous goods

SECTION 15: Regulatory information

HMIS Rating

10-721	
HEALTH	1
FLAMMABILITY	
PHYSICAL HAZARD	
PERSONAL PROTECTION	B

NFPA Rating



SECTION 16: Other information

Do not freeze. Product will not recover.

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.