SECTION 1: Identification

Identifier Code(s): CF-0362
Product Name: U2O Urethane Remover
Manufactured By: Praetorian Protective Finishes, LLC
226 North River Ridge Circle
Burnsville MN  55337
952-895-6962
E-Mail: info@goppf.com

Product Use: Institutional Urethane Remover, as classified under Consumer Goods Regulations

Restrictions for Use: Application and sale for Institutional/Commercial use only. Not for retail sale.

Emergency Contact Information
INFOTRAC  1-800-535-5053
Outside US and Canada  1-352-323-3500

NOTE: INFOTRAC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

SECTION 2: Hazard(s) Identification

Hazard Classification: Category 4
Signal Word: Warning

Hazard Statement(s):
H313 May be harmful in contact with skin
H303 May be harmful if swallowed
H315 Causes skin irritation
H320 Causes eye irritation

Precautionary Statement(s):
P102 Keep out of reach of children.
P280 Wear protective gloves/eye protection.
P264 Wash hands thoroughly after handling.
P102+P103 Keep out of reach of children. Read label before use.
P301+P330+P331 IF SWALLOWED, Rinse mouth. Do NOT induce vomiting.
P332+P353 If skin irritation occurs, rinse skin with water/shower.
P342+P340 If experiencing respiratory symptoms, remove person to fresh air and keep comfortable for breathing.
P305+P351+P338+P337+ P313 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local /regional /national /international regulation(s).

Mixture content percentage of unknown toxicity: 0%
SECTION 3: Composition / Information on Ingredient(s)

Substance or Mixture: Mixture

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>CAS Number</th>
<th>% WT</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Mixture</td>
<td>Trade Secret</td>
<td>19.0%</td>
<td>Acute Toxicity Oral Category 4; Acute Toxicity Inhalation Category 4; Eye irritation Category 2A; Acute aquatic toxicity Category 2; Skin Sensitizer Category 1</td>
</tr>
<tr>
<td>2-Dimethylaminoethanol</td>
<td>108-01-0</td>
<td>2-4%</td>
<td>Flammable Liquids Category 3, Oral Category 4, Inhalation Category 3, Dermal Category 4, Skin corrosion Category 1B, Eye Damage Category 1, Aquatic Category 3</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified hazardous to health or the environment.

SECTION 4: First-Aid Measures

Description of First-Aid Measures
Move to safe area. Treat symptomatically. If you feel unwell, seek medical advise immediately. No action shall be taken involving any personal risk or without suitable training.

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>If signs of dizziness; remove the affected person to fresh air. If symptoms persist; seek medical attention.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Contact</td>
<td>Remove contaminated clothing. Thoroughly flush and wash affected area with soap and water. Launder contaminated clothing before reuse. If irritation persists, seek medical attention. Wash affected clothing before reuse.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Rinse eyes under running water immediately. Check for and remove contact lenses, if found. Continue to flush eyes under clean clear running water for 15 minutes while holding eyes open. Lift eyelids periodically when rinsing. If irritation persists, seek medical attention.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Rinse mouth out with water. Do not swallow rinse. Give two glasses of water for dilution. DO NOT induce vomiting. Never give anything by mouth to an unconscious person; seek medical attention.</td>
</tr>
</tbody>
</table>

Most important symptoms and effects, both acute and delayed
Use of this product should not be combined with citrus based products, this will cause an allergic reaction to the eyes. In addition, known cases when used to remove epoxy based finishes can cause chemical reaction, also resulting in an allergic reaction to the eyes. If an allergic reaction occurs (haze or halo in vision) discontinue use. Move to a well ventilated area. Apply allergy drops to eyes. Seek medical attention if symptoms persist.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media
Use carbon dioxide, all purpose dry chemical, water, water fog, or chemical foam; polymer foam is preferred for large fires. Product is not considered flammable or combustible by WHMIS/OSHA criteria.

Hazards Developed due to Fire
None known

Advice for Firefighters
Firefighters should wear self-contained breathing apparatus. Floor may become slippery if material is released, caution is advised.

SECTION 6: Accidental Release Measures
Personal Precautions and Protective Equipment
Use protective equipment: gloves, eye protection, and shoe covers.

Emergency Procedures
Protect area from further release of spread. This product does not pose any threat to area personnel.

Material Containment
Prevent further spread of product to surrounding area(s), including into drains.

Clean-up Procedures
Use absorbent materials to mop up spill. Allow product in absorbent materials to dry before disposal into standard trash. Do not dispose of liquid material into standard trash. Clean mop area with appropriate cleaning chemical after spill in removed.

SECTION 7: Handling and Storage

Precautions for Handling
Do not use with citrus based chemicals. This may result in a chemical reaction resulting in a ‘halo’ or haze to vision. Avoid contact with skin and eyes. Do not swallow. Handle container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking. See Section 2 for precautions.

Safe Storage
Do not store in extremely high temperatures, above 115°F (46°C). Do not store in area below 32°F (0°C). Keep out of the reach of children. Keep container tightly closed. Keep away from food, drink animal feeding stuffs. Protect containers from abuse.

SECTION 8: Exposure Controls / Personal Protection

Exposure Limits - Components with Workplace Control Parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Results</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
<th>AIHA (WEEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propriety mixture</td>
<td>Not Established</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Dimethylaminoethanol</td>
<td>TWA</td>
<td></td>
<td></td>
<td>25ppm</td>
<td></td>
</tr>
</tbody>
</table>

Key to Abbreviations:
- STEL= Short Term Exposure Limits based on 15-minute exposures
- TWA= Time-Weighted Average based on 8h/day, 40h/week
- ACGIH= American Conference of Government Industrial Hygiene
- NIOSH= National Institute of Occupational Safety and Health
- OSHA= Occupational Safety and Health Administration
- TLV= Total Limit Volume
- AIHA= American Industrial Hygiene Association

Engineering Controls
Handle and apply / use product in a work area that has positive and / or air flow. Avoid unventilated areas. Use fans when necessary.

Personal Protective Measures

Eye/Face Protection
Use ASNI, NIOSH or European Standard EN166 approved safety glasses.

Skin Protection:
Impervious gloves recommended for general protection. Nitrile gloves are appropriate.

Respiratory Protection:
Not required

General Hygiene Considerations:
Handle according to established industrial hygiene and safety practices. Avoid contact with eyes and skin. Thoroughly wash after handling and before eating or drinking. There are no known hazards associated with this material when used as recommended.

SECTION 9: Physical and Chemical Properties

Physical State: Semi-Paste
Color: White to slightly amber
Viscosity: Not Applicable
Solubility: Soluble in water
Specific Gravity: 1.04
Weight Solids (theoretical): Not Applicable
Volume Solids (theoretical): Not Applicable
Odor: Mild
Odor Threshold: Non-Determined
Vapor Pressure (mmHg): Not Established
Vapor Density (Air=1) Heavier than Air
pH: 10.5 - 11.0
Melting Point: Not Determined
Freezing Point: < 0 deg F. Freeze/Thaw Stable to neg (-) 25 deg F
Boiling Point and Range: Not Established
Flashpoint: Not Established
Evaporation Rate: Not Established
Flammability (solid, gas): Non-Flammable
Upper / Lower Flammability Rate: Not Applicable
Auto-Ignition Temperature: Not Applicable
Partition Coefficient (n-octanol/water): Not Established
Decomposition Temperature: Not Established

Volatile Organic Compounds g/l: Not Established for Architectural use or Architectural Rule 1113
Volatile Organic Compounds %: 0% Consumer Goods Regulations

SECTION 10: Stability and Reactivity

Reactivity: Not Reactive
Chemical Stability: Stable. No known instability under normal storage conditions.
Other:
Hazardous Decomposition or By-Products: Decomposition will not occur if handled and stored properly. In case of a fire, carbon dioxide and carbon monoxide and smoke may be produced.
Possible Hazardous Reactions: No not use with d’limonene based chemicals. This will result in an allergic reaction to the eyes. When used to remove some epoxy based products, an allergic reaction to the eyes may occur.
Conditions to avoid: Extreme temperatures will cause shortened shelf life of product.
Incompatible Materials: Non-water miscible substances.

SECTION 11: Toxicological Information

Acute Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 - Inhalation</th>
<th>LD50 - ORAL</th>
<th>LD50 - DERMAL</th>
</tr>
</thead>
</table>

### Chronic Effects

<table>
<thead>
<tr>
<th>Substance</th>
<th>Skin Corrosion / Irritation</th>
<th>Eye Irritation / Damage</th>
<th>Respiratory or Skin sensitisation</th>
<th>Germ Cell Mutagenicity</th>
<th>Target Organs</th>
<th>Carcinogen or Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Mixture</td>
<td>Skin Irritation</td>
<td>Eye Irritation</td>
<td>No Data Available</td>
<td>No Data Available</td>
<td>No Data</td>
<td>No Data Available</td>
</tr>
<tr>
<td>2-Dimethylaminoethanol</td>
<td>Corrosive Rabbit - 1hr</td>
<td>Corrosive Rabbit</td>
<td>Corrosive 1hr - Rabbit - Buehler Test - No sensitisation</td>
<td>Hamster Ovary - Result Negative</td>
<td>Destructive to mucus membrane</td>
<td>Not Classified as</td>
</tr>
</tbody>
</table>

### Aquatic and or Terrestrial Organism Tests Toxicity Tests

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Species</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Mixture</td>
<td>LC50</td>
<td>Leuciscus idus</td>
<td>100-220 mg/l 96hr</td>
</tr>
<tr>
<td>2-Dimethylaminoethanol</td>
<td>EC50 Static</td>
<td>Leuciscus idus</td>
<td>146.63 mg/a 96hr</td>
</tr>
<tr>
<td>2-Dimethylaminoethanol</td>
<td>LC50 Static</td>
<td>Leuciscus idus</td>
<td>66.08 mg/l 72hr</td>
</tr>
<tr>
<td>2-Dimethylaminoethanol</td>
<td>EC50 Static</td>
<td>Daphnia magna</td>
<td>98.37 mg/l 48hr</td>
</tr>
</tbody>
</table>

### Persistence and Degradability - Not Biodegradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Type</th>
<th>Duration or Dose</th>
<th>Result</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Mixture</td>
<td>Estimated</td>
<td>Aerobic</td>
<td>28 d</td>
<td>90% +</td>
<td>BOD</td>
</tr>
<tr>
<td>2-Dimethylaminoethanol</td>
<td>14 d</td>
<td>Readily BOD</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Bio accumulative Potential - According to data on the substances, not potentially bioaccumulative

No data available

### Potential to Move from Soil to Groundwater

No data available

### Other Adverse Effects

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Type</th>
<th>Results</th>
<th>Sample Organism Tested</th>
<th>Reference for Ecological Effect</th>
</tr>
</thead>
</table>
Other Information:
This product is classified as: Harmful to organisms, may cause long-term adverse effects in the aquatic environment

SECTION 13: Disposal Considerations
All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste compliance with applicable laws are the responsibility solely of the waste generator. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Dispose of liquid surplus product via a licensed waste disposal contrator. Do not dispose of liquid product in landfill. See Section 8 for information on appropriate personal protective equipment.

SECTION 14: Transport Information
| UN Number | Not Regulated |
| UN Proper Shipping Name | Not Regulated |
| Transport Hazards Class(es) | Non Hazardous for Shipping |
| Packaging Group | Not Regulated |
| IMDG Code (Environmental Hazards) | |

SECTION 15: Regulatory Information

US Federal Regulations
CERCLA - Comprehensive Response Compensation and Liability Act:
California Proposition 65: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
TSCA - Toxic Substances Control Act: All components of this product and on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

USA - Clean Air Act
Superfund Amendments and Reauthorization Act of 1986 Title III

<table>
<thead>
<tr>
<th>SARA Section</th>
<th>313</th>
<th>302</th>
<th>311/312</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Mixture</td>
<td>No</td>
<td>No</td>
<td>No SARA Harards</td>
</tr>
<tr>
<td>2-Dimethylaminoethanol</td>
<td>No</td>
<td>No</td>
<td>Fire Hazard / Acute Health Hazard, Chronic Health Hazard</td>
</tr>
</tbody>
</table>

State Right-to-Know:

<table>
<thead>
<tr>
<th>Substance</th>
<th>California Prop 65</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Mixture</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Dimethylaminoethanol</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

SECTION 16: Other Information
Date of Original: February 9, 2009
Revision Date: 21-Aug-15
Reason for Revision: GHS Compliance
Notice to the Reader

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third party/persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.