


Safety Data Sheet



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
Symbol(s) of Product:	
Hazard Statement(s):	May be harmful in contact with skin May be harmful if swallowed Causes skin irritation Causes eye irritation
Precautionary Statement(s):	Keep out of reach of children. Wear protective gloves/eye protection. Wash hands thoroughly after handling. Keep out of reach of children. Read label before use. IF SWALLOWED, Rinse mouth. Do NOT induce vomiting. If skin irritation occurs, rinse skin with water/shower. If experiencing respiratory symptoms, remove person to fresh air and keep comfortable for breathing. 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. 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

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

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.

Inhalation	If signs of dizziness; remove the affected person to fresh air. If symptoms persist; seek medical attention.
Skin Contact	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.
Eye Contact	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.
Ingestion	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.

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**

Substance	Results	ACGIH	NIOSH	OSHA	AIHA (WEEL)
Propriety mixture	Not Established				
2-Dimethylaminoethanol	TWA				25ppm

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 ANSI, 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 Regulations	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 di'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

	LC50 -		
Substance	Inhalation	LD50 - ORAL	LD50 - DERMAL

Proprietary Mixture	No Data Available	>1600 mg/kg Rat	No Data Available
2-Dimethylaminoethanol	1641 ppm - 4hr - Rat (male)	1182.7 mg/kg - Rat (male and female)	1219 mg/kg Rabbit (male)

Chronic Effects

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

SECTION 12: Ecological Information**Aquatic and or Terrestrial Organism Tests Toxicity Tests**

Substance	Test	Species	Results
Proprietary Mixture	LC50		Not Data
	EC50		Not Data
2-Dimethylaminoethanol	LC50	Leuciscus idus	100-220 mg/l 96hr
	LC50 Static	Leuciscus idus	146.63 mg/a 96hr
	EC50 Static	Desmodesmus subspicatus	66.08 mg/l 72hr
	EC50 Static	Daphnia magna	98.37 mg/l 48hr

Persistence and Degradability - Not Biodegradability

Substance	Test	Type	Duration or Dose	Result	Class
Proprietary Mixture	Estimated		28 d	90% +	BOD
2-Dimethylaminoethanol	Aerobic		14 d	60.5%	Readily BOD

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

Substance	Test	Type	Results	Sample Organism Tested	Reference for Ecological Effect
No other data available					

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 contractor. 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**

OSHA Hazard Communication Standard (CFR29 1910.1200) NOT Hazardous Chemical

CERCLA - Comprehensive Response Compensation and Liability Act: None

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**

SARA Section	313	302	311/312
Proprietary Mixture	No	No	No SARA Harards
2-Dimethylaminoethanol	No	No	Fire Hazard / Acute Health Hazard, Chronic Health Hazard

State Right-to-Know:

Substance	California Prop 65	Massachusetts	New Jersey	Pennsylvania	Rhode Island
Proprietary Mixture	No				
2-Dimethylaminoethanol	No	Yes	Yes	Yes	Yes

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.