


# Safety Data Sheet



## SECTION 1: Identification

<b>Identifier Code(s):</b>	<b>CF-0676</b>
<b>Product Name:</b>	<b>LiftOff Floor Finish Remover</b>
<b>Manufactured By:</b>	<b>Praetorian Protective Finishes, LLC</b> 212 North River Ridge Circle Burnsville MN 55337 952-895-6962 E-Mail: info@goppf.com
<b>Product Use:</b>	Institutional Urethane Floor Stripper Concentrate as classified under Consumer Goods Regulations
<b>Restrictions for Use:</b>	Application and sale for Institutional/Commercial use only. Not for retail sale.
<b>Emergency Contact Information</b>	<b>INFOTRAC 1-800-535-5053</b> Outside US and Canada 1-352-323-3500 <b>NOTE:</b> 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

<b>Hazard Classification:</b>	Category 4
<b>Signal Word:</b>	Warning
<b>Symbol(s) of Product:</b>	
<b>Hazard Statement(s):</b>	
H302 + H332	Harmful if swallowed or if inhaled
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H402	Harmful to aquatic life
<b>Precautionary Statement(s):</b>	
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352+P332+313	IF ON SKIN: Wash with plenty of water. If skin irritation occurs. Get medical attention.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
P304+340+P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P362	Take off contaminated clothing.

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
(2-methoxymethylthoxy)propanol	34590-94-8	2-3%	Flammable Liquids Category 4
2-Dimethylaminoethanol	108-01-0	5-8%	Flammable Liquids Category 3, Oral Category 4, Inhalation Category 3, Dermal Category 4, Skin corrosion Category 1B, Eye Damage Category 1, Aquatic Category 3
2-Methylpentane-2,4-Diol	107-41-5	15-25%	Skin Irritation Category 2; Eye Irritation Category 2A
Phenylcarbinol	100-51-6	10-20%	Oral Acute Toxicity Category 4; Inhalation Acute toxicity Category 4; Eye Irritation Category 2A; Acute aquatic toxicity Category 2

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.

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

The most important known symptoms and effects are described in Section 2 and/or Section 11.

### 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 is removed.

**SECTION 7: Handling and Storage****Precautions for Handling**

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	Value	ACGIH	NIOSH	OSHA	AIHA (WEEL)
(2-methoxymethylthoxy)propanol	TWA	TLV: 100ppm STEL: 150ppm			
	TWA		REL: 100ppm 600mg/m3		
	STEL		REL: 150ppm 900mg/m3		
	Table Z-1			100 ppm 600mg/m3	
2-Dimethylaminoethanol	TWA				25 ppm
2-Methylpentane-2,4-Diol	TWA	TLV: 25 ppm	REL: 25ppm 125 mg/m3		
Phenylcarbinol	TLV				10 ppm

Key to Abbreviations:

STEL= Short Term Exposure Limits based on 15-minute exposures

REL= Recommended Exposure Limits

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

BEI Biological Exposure Indices

BAA= Butoxyacetic acid

TLV= Total Limit Volume

AIHA= American Industrial Hygiene Association

<b>Engineering Controls</b>	Handle and apply / use product in a work area that has positive and / or air flow. Avoid unventilated areas. Use fans when necessary.
<b>Personal Protective Measures</b>	
<b>Eye/Face Protection</b>	Use ANSI, NIOSH or European Standard EN166 approved safety glasses.
<b>Skin Protection:</b>	Impervious gloves recommended for general protection. Nitrile gloves are appropriate.
<b>Respiratory Protection:</b>	Not required
<b>General Hygiene Considerations:</b>	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

<b>Physical State:</b>	Liquid
<b>Color:</b>	Clear - water white to slight amber
<b>Viscosity:</b>	Not Applicable
<b>Solubility:</b>	Soluble in water
<b>Specific Gravity:</b>	0.98
<b>Weight Solids (theoretical):</b>	0
<b>Volume Solids (theoretical):</b>	0
<b>Odor:</b>	Mild
<b>Odor Threshold:</b>	Non-Determined
<b>Vapor Pressure (mmHg):</b>	Not Established
<b>Vapor Density (Air=1)</b>	Heavier than Air
<b>pH :</b>	< 12.0
<b>Melting Point:</b>	Not Determined
<b>Freezing Point:</b>	Not established
<b>Boiling Point and Range:</b>	Not Established
<b>Flashpoint:</b>	Not Established
<b>Evaporation Rate:</b>	Not Established
<b>Flammability (solid, gas):</b>	Non-Flammable
<b>Upper / Lower Flammability Rate:</b>	Not Applicable
<b>Auto-Ignition Temperature:</b>	Not Applicable
<b>Partition Coefficient (n-octanol/water):</b>	Not Established
<b>Decomposition Temperature:</b>	Not Established
<b>Volatile Organic Compounds g/l:</b>	Not for Architectural application
<b>Volatile Organic Compounds % :</b>	< 3% per gallon, packaged

**Architectural Rule 1113**

**Consumer Goods Regulations**

## SECTION 10: Stability and Reactivity

<b>Reactivity:</b>	Not Reactive
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**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:** None Known

**Conditions to avoid** Extreme temperatures will cause shortened shelf life of product.

**Incompatible Materials** Non-water miscible substances.

## SECTION 11: Toxicological Information

### Acute Toxicity

Substance	LC50 - Inhalation	LD50 - ORAL	LD50 - DERMAL
(2-methoxymethylthoxy)propanol	No Data available	5152 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)
2-Methylpentane-2,4-Diol	No Data available	3700 mg/kg Rat	7892 mg/kg Rabbit
Phenylcarbinol	No Data available	1620 mg/kg Rat, male	No data available

### Chronic Effects

Substance	Skin Corrosion / Irritation	Eye Irritation / Damage	Respiratory or Skin sensitisation	Germ Cell Mutagenicity	Target Organs	Carcinogen or Potential
(2-methoxymethylthoxy)propanol	No data available	Mild irritation Rabbit 24hr	No data available	No data available	Skin, eyes	Not Classified as
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
2-Methylpentane-2,4-Diol	Skin Irritation Rabbit - 24hr	Severe eye irritation - Rabbit	No data available	No data available	No data available	Not Classified as
Phenylcarbinol	No skin irritation Rabbit 24hr	Eye Irritation Rabbit - 24hr	No data available	No data available	No data available	Not Classified as

## SECTION 12: Ecological Information

### Aquatic and or Terrestrial Organism Tests Toxicity Tests

Substance	Test	Species	Results
(2-methoxymethylthoxy)propanol	LC50	Pimephales promelas	10,000 mg/l 96hr
	EC50	Daphnia magna	1919 mg/l 48hr
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
2-Methylpentane-2,4-Diol	LC50	Pimephales promelas	10,700 mg/l 96hr
	EC50	Daphnia magna	3200 mg/l - 48hr
Phenylcarbinol	OECD Test 202	Daphnia magna	230 mg/l - 48hr
	LC50	Lepomis macrochirus	10mg/l - 96hr
	LC50	Pimephales promelas	460 mg/l - 96hr
	EC50	Daphnia magna	55mg/l - 24hr

**Persistence and Degradability - Not Biodegradability**

Substance	Test	Type	Duration or Dose	Result	Class
(2-methoxymethylthoxy)propanol					BOD
2-Dimethylaminoethanol	Aerobic		14 d	60.5%	Readily BOD
2-Methylpentane-2,4-Diol	Aerobic	OECD Test 301C	28 d	34-76%	Minimum of inherently BOD
Phenylcarbinol	Aerobic		28 d	92-96%	Readily BOD

**Bioaccumulative 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:**

No other data to report

**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 contactor. Do not dispose of liquid product in landfill. See Section 8 for information on appropriate personal protective equipment.

## SECTION 14: Transport Information

<b>DOT (US)</b>	Not regulated as a dangerous goods
<b>TGA Classification</b>	Not regulated as a dangerous goods
<b>Mexico Classification</b>	Not regulated as a dangerous goods
<b>IMDG-Code</b>	Not regulated as a dangerous goods
<b>IATA-DGR</b>	Not regulated as a dangerous goods
<b>49 CFR</b>	Not regulated as a dangerous goods

## 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
(2-methoxymethylthoxy)propanol	No	No	Fire / Chronic Health
2-Dimethylaminoethanol	No	No	Fire Hazard / Acute Health Hazard, Chronic Health Hazard
2-Methylpentane-2,4-Diol	No	No	Acute Health Hazard, Chronic Health Hazard
Phenylcarbinol	No	No	Acute Health Hazard, Chronic Health Hazard

### State Right-to-Know:

Substance	California Prop 65	Massachusetts	New Jersey	Pennsylvania	Rhode Island
(2-methoxymethylthoxy)propanol	No	Yes	Yes	Yes	
2-Dimethylaminoethanol	No	Yes	Yes	Yes	Yes
2-Methylpentane-2,4-Diol	No	Yes	Yes	Yes	

Phenylcarbinol	No	Yes	Yes	Yes	
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**SECTION 16: Other Information**

<b>Date of Original</b>	3.3.2008
<b>Revision Date</b>	5.1.19
<b>Reason for Revision</b>	GHS Update and revisions

**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.