

MATERIAL SAFETY DATA SHEET
General Finishes Corporation

SECTION 1: Material Identification

Material Name: General Finishes PRE-CAT 181 URETHANE
Gloss, Semi-Gloss, Satin

Revision Date: 08/16/05

Material Description: Water-based coating

HMIS Ratings

Health: 1
Flammability: 1
Reactivity: 0

Manufacturer:

General Finishes Corp., P.O Box 510567, New Berlin, WI 53151
(800) 783-6050

Emergency Phone Numbers:

(262) 786-6050

SECTION 2: Composition/Information on Ingredients

CAS #	Chemical Name	Percent	TLV	PEL
7732-18-5	Water	63-73%	Not applicable	Not applicable
Proprietary	Polymer emulsion	20-25%	Not established	Not established
Proprietary	Glycol ethers	3-5%	Not established	Not established
Proprietary	Proprietary solvents	0.2-0.5%	Not established	Not established
872-50-4	N-Methyl-2-pyrrolidone	1-3%	Not established	Not established
57-55-6	Propylene Glycol	0-0.2%	Not established	Not established

SECTION 3: Hazards Identification

*** Emergency Overview ***

Amber liquid, solvent odor. Combustible. May cause eye, skin or respiratory irritation, dizziness, headache, nausea.

Effects of Short-Term Overexposure:

Eyes: Irritation

Skin: Irritation

Inhalation: Irritation, headache, dizziness, nausea

Ingestion: Irritation, nausea

Effects of Chronic Overexposure: ND

Material Exposure Limits: See Section 2 for information on ingredients.

Routes of Entry: Contact, inhalation, ingestion

Target Organs: Eyes, skin, respiratory system, nervous system

Cancer Rating: This material does not contain more than 0.1% of any chemical listed by NTP, IARC or OSHA as being carcinogenic.

Additional Information: Not applicable

SECTION 4: First Aid Measures

Eyes: Immediately flush eyes with plenty of water. Seek medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash with soap and water. Seek medical attention if necessary.

Inhalation: If exposed to excessive levels, remove to fresh air. Seek medical attention if necessary.

Ingestion: Rinse mouth if conscious. Seek medical attention if necessary.

SECTION 5: Fire Fighting Measures

Flash Point: > 210 °F

Method Used: CC (ASTM D3828)

Flammable Limits (Percentage in air):

UEL: ND

LEL: ND

Extinguishing Media: Foam, carbon dioxide, dry chemical, water spray

Control Measures: Use self-contained breathing apparatus and full turn-out gear. Use water spray to cool containers.

Unusual Hazards: Closed containers may rupture or explode when exposed to extreme heat.

SECTION 6: Accidental Release Measures

Spills: Use personal protective equipment. Ventilate area. Contain spilled material and soak up with inert absorbant. Collect for disposal.

Releases to the air: Not applicable

SECTION 7: Handling and Storage

Handling: Avoid personal contact. Use with adequate ventilation. Wash after handling.
Storage requirements: Keep container closed and upright. Do not store above 120 °F.

SECTION 8: Exposure Controls and Personal Protection

Protective equipment:*

Eyes: Safety glasses or chemical goggles

Skin: Impervious gloves should be worn to prevent prolonged or repeated skin contact

Respiratory: A NIOSH/MSHA approved air-purifying respirator if exposure limits exceeded

Ventilation: Good general ventilation should be sufficient to control airborne levels. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

Additional information: None

*Protective equipment should be determined by conditions of exposure.

SECTION 9: Physical and Chemical Properties

Appearance and Odor: Amber liquid, solvent odor

Specific gravity (water = 1): 1.03

Boiling point: > 212.0 °F

Melting/freezing point: ND

Percent volatile: 74 – 79% by wt

VOC: 7 – 9 % /wt

Vapor pressure: ND

Vapor density (air = 1): ND

Evaporation rate (n-Butyl acetate = 1): ND

pH: ND

Solubility in water: Miscible

SECTION 10: Stability and Reactivity

Stability: Stable

Conditions to avoid: Not applicable

Hazardous polymerization: Not applicable

Conditions to avoid: Not applicable

Incompatibility: Strong oxidizers

Hazardous decomposition products: CO, CO₂

Unusual hazards: Not applicable

SECTION 11: Toxicological Information

<u>Ingredient Name</u>	<u>LD50</u>	<u>LC50</u>
Polymer Emulsion	>5g/kg (est.)	N.D.
n-Methyl-2-pyrrolidone	4200 mg/kg	N.D.

No other information available at this time.

SECTION 12: Ecological Information

No information required at this time.

SECTION 13: Disposal Procedures

Material and containers should be disposed in accordance with local, state and federal regulations.

Empty Container Warning: Empty containers retain residue (liquid and/or vapor) and can be dangerous. **Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Do not attempt to clean since residue is difficult to remove. Empty containers should be completely drained and properly disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 14: Transportation Information

DOT Hazard Classification: Not regulated

SECTION 15: Regulatory Information

SARA Title III Section 302 Extremely Hazardous Substances above de minimis level: None

CERCLA Hazardous Substances above de minimis level: None

SARA Title III Section 313 Toxic Chemicals above de minimis level:

Glycol ethers

872-50-4 N-Methyl-2-pyrrolidone

California Proposition 65: WARNING: This product contains chemical(s) known to the State of California to cause cancer.

123-91-1 1,4-Dioxane

71-43-2 Benzene

California Proposition 65: WARNING: This product contains chemical(s) known to the State of California to cause birth defects or other reproductive harm.

108-88-3 Toluene

872-50-4 N-Methyl-2-pyrrolidone
71-43-2 Benzene

VOC Data:

265 g/l (2.21 lb/gal) less water and exempt compounds

SECTION 16: Other Information

Abbreviations:

NA - Not applicable
ND - Not determined

General Finishes believes that the information contained in this MSDS is correct as of this date. However, because the material may be used under conditions over which General Finishes has no control or in ways we cannot anticipate, we give no warranty, expressed or implied, as to the accuracy of the information. General Finishes assumes no responsibility for any damage to person, property or user of this material or to insure that it is properly and safely used.

Written by: WGL-081605

End of MSDS