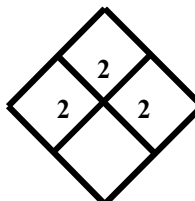


1. PRODUCT IDENTIFICATION

Trade Name: Probimer 77/1075 White

Material Code: FPC7245

Chemical Family: Acrylate Ester Resins in Solvents



NFPA RATING

2. COMPOSITION / INFORMATION ON INGREDIENTS

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	Confidential Concentration	Inorganic oxide 0.00 - 10.00 % by wt	10 mg/m3	NE	NE	NE	NE	NR	NR	NR
*	13463-67-7 Common Name: Concentration	Titanium dioxide Titanium dioxide 10.00 - 30.00 % by wt	10 mg/m3	NE	15 mg/m3	NE	NE	NR	NR	NR
*	Confidential Concentration	Inorganic silicate 0.00 - 10.00 % by wt	2 mg/m3	NE	NE	NE	NE	Yes	NR	NR
*	Confidential Concentration	metal hydroxide 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	Confidential Concentration	Photoinitiators 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	Glycol Ether 10.00 - 30.00 % by wt	100 ppm	150 ppm	100 ppm	150 ppm	NE	NR	NR	NR
*	Confidential Concentration	0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	7631-86-9 Common Name: Concentration	Silica Inorganic oxide 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	7727-43-7 Common Name: Concentration	Sulfuric acid, barium salt (1:1) Inorganic sulfate 0.00 - 10.00 % by wt	10 mg/m3	NE	5 mg/m3	NE	NE	NR	NR	NR
	112-15-2	Diethylene glycol monoethylether acetate	NE	NE	NE	NE	NE	NR	NR	NR

Effective Date: 8/14/02

Common Name:	glycol ether									
Concentration	0.00 - 10.00 % by wt									
Confidential Concentration	Modified Acrylate Ester 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NE	NR	NR	NR
Confidential Concentration	photoinitiator 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NE	NR	NR	NR
Confidential Concentration	Modified Acrylate Ester 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NE	NR	NR	NR
Confidential Concentration	Acryl resin 10.00 - 30.00 % by wt	NE	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: WARNING!! COMBUSTIBLE. Causes severe eye irritation. Causes skin irritation and possible allergic reaction. Harmful if inhaled. Harmful if swallowed.

Primary Route(s) of Entry: Dermal, inhalation.

Potential Health Effects: Vapor or mist will severely irritate the nose and throat and cause dizziness and loss of coordination. Liquid or vapor can cause substantial irritation to eyes. Substance can cause moderate irritation to skin. Possibly harmful if swallowed.

Chronic: Prolonged or repeated exposure can cause allergic reaction to skin and respiratory tract.

4. FIRST AID MEASURES

Ingestion: If swallowed dilute by giving two (2) glasses water to drink. See a physician. Never give anything by mouth to an unconscious person.

Skin: For skin contact, wash affected areas with plenty of water, and soap, if available, for several minutes. Get medical attention if irritation occurs.

Inhalation: If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen.

Eyes: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

Note to Physician: Allergic dermatitis or respiratory response in susceptible individuals may be delayed. It may appear after weeks or even months of frequent and prolonged contact.

Medical Conditions Aggravated by Exposure: Allergy, eczema, eye or respiratory conditions.

5. FIRE FIGHTING MEASURES

Flash Point: 75°C (167 °F) (estimated)
Flash Point Method Used: Closed Cup

Effective Date: 8/14/02

Fire Fighting Extinguishing Media: Carbon dioxide, foam, dry chemical, water spray.

Fire Fighting Equipment: Use self-contained breathing apparatus and full protective clothing.

Fire and Explosion Hazards: Heat/inhibitor depletion/exposure to radiation/oxidizers can cause spontaneous polymerization generating heat and pressure. Sealed containers can explode. Avoid using a stream of water to control fire since frothing can occur.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Eliminate ignition sources. Ventilate area. Avoid breathing vapor. Evacuate the spill area. Wear full protective equipment. Dike and absorb spill with inert material. Transfer to containers suitable for disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Thoroughly launder clothing before re-use. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. If spilled on a porous surface, ground contamination must be considered.

7. HANDLING AND STORAGE

Signal Word: Combustible.

Precautions: Keep away from heat, sparks and open flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor, mist or spray. Use only with good ventilation. Individuals should wash thoroughly after handling. Store in closed containers in cool, well-ventilated area. Ground and bond metal containers for liquid transfer to avoid static sparks. For industrial use only.

Other Handling Information: In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact. Do not inhale mists. Use with adequate ventilation. For industrial use only.

Storage Information: Storage Temperature: Maximum 18° C - Minimum 6° c. Store indoors in a cool, dry area with adequate ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Eye bath and safety shower should be available. Wear protective clothing.

Exposure Guidelines: Wash thoroughly after handling and before eating, drinking, or using tobacco products.

Skin Protection: Wear impervious gloves.

Respiratory Protection: Wear respirator (MSHA/NIOSH or approved equivalent) suitable for concentrations and type of air contaminants encountered.

Eye Protection: Wear splash-proof chemical goggles.

Engineering Controls: Good general mechanical ventilation and local exhaust recommended.

Emergency Response Protection: Wear breathing apparatus (MSHA/NIOSH-approved, pressure demand, self-contained or equivalent) and full protective gear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Paste
Color:	White
Odor:	Solvent
Solubility in Water:	Slightly Miscible
Viscosity:	50000 - 90000 cps at 25°C (77 °F)
Vapor Pressure:	< 1 mm Hg at 20°C (68 °F)
Specific Gravity:	1.3 g/cm ³
Evaporation Rate:	< 1 (Butyl Acetate = 1)
Vapor Density:	> 1 (Air = 1) (estimate)

10. STABILITY AND REACTIVITY

Conditions to Avoid: Heat, UV radiation, free radical initiators and inert gases.

Stability: Stable under normal conditions.

Incompatibility: Strong oxidizing agents, acids and bases.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, aldehydes, oxides of nitrogen and oxides of sulfur

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Sensitization: Potential skin and respiratory sensitizer.

Skin Irritation: Moderate irritation.

Eye Irritation: Moderate - severe.

12. ECOLOGICAL INFORMATION

Biodegradability: No information available.

Ecotoxicity: No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Incinerate in approved equipment. Landfill or incinerate contaminated material in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT: Non-Bulk	
Proper Shipping Name:	Not Regulated
IATA: Non-Bulk	

Effective Date: 8/14/02

Proper Shipping Name:

Not Regulated

15. REGULATORY INFORMATION**US Federal Regulations:**

Occupational Safety and Health Act (OSHA): This product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Resource Conservation and Recovery Act (RCRA): This product is not considered to be a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 304 - CERCLA: This product contains the following chemicals regulated under Section 304 (40 CFR 302) as hazardous substance(s) for emergency release notification ("CERCLA" List):

Chemical Name: Sulfuric acid, barium salt (1:1)

Common Name: Inorganic sulfate

CAS Number: 7727-43-7

Percent in Composition: 0 - 10 % by wt

Component RQ: 1000

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS): Immediate (acute) health hazard
Delayed (chronic) health hazard

SARA Title III: Section 313 Toxic Chemical List (TCL): This product contains a toxic chemical(s) for routine annual toxic chemical release reporting under section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this material.

Chemical Name: Sulfuric acid, barium salt (1:1)

Common Name: Inorganic sulfate

Percent in Composition: 0 - 10 % by wt

Comment: BARIUM COMPOUNDS

Chemical Name: Diethylene glycol monoethylether acetate

Common Name: glycol ether

Percent in Composition: 0 - 10 % by wt

Comment: CERTAIN GLYCOL ETHERS

TSCA Section 5(e) - Consent Order / SNUR: This product is not subject to a Section 5(e) Consent Order or Significant New Use Rule (SNUR).

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

International Regulations:

Australian Inventory Status: This product contains one or more chemicals currently not on the Australian Inventory of Chemical Substances.

Effective Date: 8/14/02

Canadian Inventory Status: This product contains one or more chemicals currently not on the Canadian Domestic Substance List.

European Inventory Status (EINECS): This product contains one or more chemicals currently not on the European Inventory of Existing Commercial Chemical Substances (EINECS) or Pre-market notified.

Japanese Inventory Status: This product contains one or more chemicals currently not on the Japanese Ministry of International Trade and Industry List of Existing and New Chemical Substances.

State Regulations:

California Proposition 65: This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

Pennsylvania Right-to-Know: The following is required composition information:

Chemical Name: Glycol Ether
CAS Number: Confidential
Comment: Hazardous Substance

Chemical Name: white pigment
CAS Number: Confidential
Comment: Hazardous Substance

Chemical Name: Acryl resin
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Sulfuric acid, barium salt (1:1)
Common Name: Inorganic sulfate
CAS Number: 7727-43-7
Comment: Hazardous Substance

Chemical Name: Diethylene glycol monoethylether acetate
Common Name: glycol ether
CAS Number: 112-15-2
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Modified Acrylate Ester
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Modified Acrylate Ester
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Inorganic oxide
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: photoinitiator
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

Effective Date: 8/14/02

Chemical Name: Silica
Common Name: Inorganic oxide
CAS Number: 7631-86-9
Comment: Hazardous Substance

Chemical Name: Inorganic silicate
CAS Number: Confidential
Comment: Hazardous Substance

16. OTHER INFORMATION

MSDS No:	61771
Reason Issued:	update physical properties
Approved By:	Matthew Austin
Title:	EH&S Chemist
Supersedes Date:	08/09/02

Other Information: L/M Codes: WL0597-WR (W10020030) [W01]
Material Code: FPC7244

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