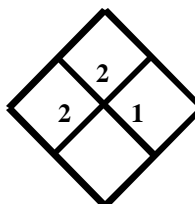


**1. PRODUCT IDENTIFICATION**



NFPA RATING

**Trade Name:** Probimer 77/1070

**Material Code:** FPC7049

**Made In:** U.S.A.

**Chemical Family:** Polymer Dispersion

**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				
*	112926-00-8	PRECIPITATED SILICA Concentration 10.00 - 30.00 % by wt	10 mg/m3	NE	NE	NE	NE	NR	NR	NR
*	Confidential Concentration	Photoinitiator 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	14807-96-6	Talc [Mg3H2(SiO3)4] Common Name: Talc Concentration 0.00 - 10.00 % by wt	2 mg/m3	NE	NE	NE	NE	Yes	NR	NR
	34590-94-8	Propanol, 1(or 2)-(2-methoxymethylethoxy)- Dipropylene glycol monomethyl ether Concentration 10.00 - 30.00 % by wt	100 ppm	150 ppm	100 ppm	150 ppm	NE	NR	NR	NR
*	64742-94-5	Solvent naphtha (petroleum) heavy aromatic Concentration 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	Confidential Concentration	Photoinitiator 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	7727-43-7	Sulfuric acid, barium salt (1:1) Common Name: Inorganic sulfate	10 mg/m3	NE	5 mg/m3	NE	NE	NR	NR	NR

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	Concentration	10.00 - 30.00 % by wt								
*	112-15-2	Diethylene glycol monoethylether acetate	NE	NE	NE	NE	NE	NR	NR	NR
	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	NR	NR	NR
	Confidential Concentration	Modified Acrylate Ester 0.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	Acryl resin 10.00 - 30.00 % by wt	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 fume can be possibly harmful if inhaled. Substance can cause substantial irritation to eyes. Substance can cause moderate irritation to skin. Substance can be possibly harmful if swallowed.

**Carcinogenicity (NTP, IARC, OSHA):** The chemicals listed in Section 2 are not considered to be carcinogenic by NTP, IARC, or OSHA.

**Chronic:** Prolonged or repeated overexposure can cause central nervous depression, nausea, headache, and dizziness. Also substance can cause allergic reaction.

**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:** Wash with soap and water. Remove contaminated clothing and launder before re-use .

**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:** Eczema, allergy, eye condition and respiratory disease

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## 5. FIRE FIGHTING MEASURES

**Flash Point:** ~ 78°C (~ 172 °F) For Component  
**Flash Point Method Used:** Closed Cup

**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:** Keep fire-exposed containers cool with water. Do NOT use a solid stream of water. A solid stream of water can spread fire.

**Hazardous Combustion Products:** Decomposition and combustion products may be toxic.

## 6. ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:** Evacuate spill area. Eliminate ignition sources. Ventilate area. Avoid breathing vapor. Wear full protective equipment. Dike and absorb spill with inert material. Transfer to containers suitable for disposal. Promptly, remove and wash contaminated clothing before re-use. Wash affected skin area with soap and water. 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:** WARNING! COMBUSTIBLE

**Precautions:** Keep away from HEAT, SPARKS & FLAMES. Do not get in eyes, on skin, or on clothing. Wear protective clothing when handling. Wash thoroughly after handling. Avoid breathing vapor. Keep containers closed when not in use. Use only with adequate ventilation. Do NOT take internally.

**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: 35°C, maximum. Store indoors in a cool, dry area with adequate ventilation away from excessive heat, sources of ignition, and reactive materials. Do NOT store near food or feed. CORROSIVE to copper and brass on long-term storage.

**Additional Information:** PLEASE READ TECHNICAL DATA SHEET BEFORE HANDLING THE PRODUCT. KEEP OUT OF THE REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

## 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.

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**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

<b>Appearance:</b>	Opaque Paste
<b>Color:</b>	Yellow
<b>Viscosity:</b>	35000 - 60000 cps at 25°C (77 °F)
<b>Vapor Pressure:</b>	> 1 mm Hg at 20°C (68 °F)
<b>Evaporation Rate:</b>	< 1 (Butyl Acetate = 1)
<b>Vapor Density:</b>	> 1 (Air = 1)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute Oral Effects (LD50):** Not available.

**Acute Dermal Toxicity (LD50):** Not available.

**Inhalation Toxicity (LC50):** Not available

**Sensitization:** Sensitizer (components).

**Skin Irritation:** Moderate irritation.

**Eye Irritation:** Moderate - severe.

## 12. ECOLOGICAL INFORMATION

**Biodegradability:** No information available.

**Ecotoxicity:** No information available.

## 13. DISPOSAL CONSIDERATIONS

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**Waste Disposal Method:** Incinerate in approved site or facility in accordance with local, state and federal regulations. Avoid personal contact during transfer and handling.

#### 14. TRANSPORT INFORMATION

**DOT: Non-Bulk**

**Proper Shipping Name:** Not Regulated

**IATA: Non-Bulk**

**Proper Shipping Name:** Not Regulated

#### 15. REGULATORY INFORMATION

##### US Federal Regulations:

**Occupational Safety and Health Act (OSHA):** This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

**Resource Conservation and Recovery Act (RCRA):** Not a hazardous waste under RCRA (40 CFR 261).

**SARA Title III: Section 304 - CERCLA:** Not listed.

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

**SARA Title III: Section 313 Toxic Chemical List (TCL):** This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

**TSCA Section 8(b) - Inventory Status:** Chemical components listed on 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.

**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.

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**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: Propanol, 1(or 2)-(2-methoxymethylethoxy)-  
Common Name: Dipropylene glycol monomethyl ether  
CAS Number: 34590-94-8  
Comment: Hazardous Substance

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

Chemical Name: PRECIPITATED SILICA  
CAS Number: 112926-00-8  
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: Talc [Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>]  
Common Name: Talc  
CAS Number: 14807-96-6  
Comment: Hazardous Substance

**16. OTHER INFORMATION**

<b>MSDS No:</b>	61101
<b>Reason Issued:</b>	update information
<b>Prepared By:</b>	Matthew Austin
<b>Approved By:</b>	Matthew Austin
<b>Approved Date:</b>	01/18/99
<b>Supersedes Date:</b>	08/13/01

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**Other Information:** L/M Codes:W/C W10020330 (W10)  
Material Code: FPC7049

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