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Effective Date: 5/31/07

Material Safety Data Sheet

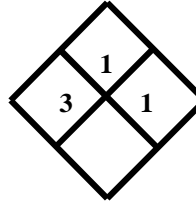
MSDS No: 2751

1. PRODUCT IDENTIFICATION

Trade Name: RP 4040

Material Code: FPC6074

Chemical Family: Filled One Component Epoxy Resin



NFPA RATING

2. COMPOSITION / INFORMATION ON INGREDIENTS

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				MFR.	CARCINOGEN STATUS		
			ACGIH		OSHA			IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	13983-17-0 Common Name: Concentration	Wollastonite calcium metasilicate 1.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	Aliphatic glycidyl ether 1.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	methacrylate copolymer 1.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	Epoxy Resin 10.00 - 30.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	Confidential Concentration	silica oxide 60.00 - 90.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential Concentration	boron trichloride amine complex 1.00 - 5.00 % 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! ! Causes severe eye irritation and possible eye damage. Causes severe skin irritation and possible allergic skin reaction. Harmful if inhaled. Harmful if swallowed.

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

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Potential Health Effects: Vapor or mists can irritate the nose and throat. Severely irritating to eyes with possible permanent injury. Severely irritating and harmful if absorbed through skin. Substance will cause burning and severe swelling of the mouth, throat and abdomen.

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 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, wipe away excess material with dry towel. Then 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: Eczema, skin, allergy condition or respiratory disease

5. FIRE FIGHTING MEASURES

Flash Point: > 99°C (> 210 °F)

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. Ventilate area. Avoid breathing vapor. Use protective equipment. Clean-up all traces of spill. Shovel as much of material as possible into dry, clean containers. On hard surfaces, use absorbent material to pick up remainder. On loose surfaces, shovel-up contaminated layer. Keep spills and cleaning run-offs out of municipal sewers and open bodies of water.

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7. HANDLING AND STORAGE

Signal Word: WARNING!

Precautions: Do NOT get in eyes, on skin, or clothing. Wear chemical splash goggles and impervious gloves when handling. Wash skin and clothing thoroughly after handling. Avoid breathing vapor or mist. Use only with adequate ventilation. Keep containers closed when not in use. 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.

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

Eye Protection: Wear safety glasses or goggles.

Engineering Controls: Use good general mechanical ventilation and local exhaust.

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:	Soft Paste
Color:	Offwhite to Light Tan
Odor:	Slight
Solubility in Water:	Moderate
Viscosity:	Soft paste
Vapor Pressure:	< 1 mm Hg at 20°C (68 °F)
Evaporation Rate:	< 1 (Butyl Acetate = 1)
Vapor Density:	> 1 (Air = 1)
VOC:	16 g/L (This is an estimated value.)

10. STABILITY AND REACTIVITY

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Conditions to Avoid: Avoid temperatures above 35°C, acids and alkalies**Stability:** Stable under normal conditions.**Incompatibility:** Strong oxidizing agents, acids, amines and alkali ions**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, aldehydes, and oxides of nitrogen**Hazardous Polymerization:** May 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:** Severe skin irritant.**Eye Irritation:** Severe eye irritant.

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**IMDG: Non-Bulk****Proper Shipping Name:** Not Regulated**IATA: Non-Bulk****Proper Shipping Name:** Not Regulated

15. REGULATORY INFORMATION

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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.
Delayed (chronic) health hazard.

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain a toxic chemical for routine annual 'Toxic Chemical Release Reporting' under Sec. 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 only chemicals that are currently listed on the European Inventory of Existing Commercial Chemical Substances (EINECS).

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: silica oxide
CAS Number: Confidential
Comment: Not on Pennsylvania Hazardous Substance List

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

16. OTHER INFORMATION

Effective Date: 5/31/07

MSDS No: 2751
Reason Issued: update storage - update formulation
Prepared By: Matthew Austin
Approved By: Matthew Austin
Title: EH&S Chemist

Other Information: L/M Codes: JR - JS0597 (J10020030) [J01]
Material Code: FPC6074

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