

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Manufacturer/Distributor : Kobo Products, Inc.
Address : 3474 South Clinton Avenue
South Plainfield, NJ 07080
Emergency Telephone # : (908) 757-0033
Facsimile Number : (908) 757-0905
Trade Name : **TECHPOLYMER PAC-M810**
Chemical Name/ Synonyms : Methyl Methacrylate Crosspolymer (And) Dicalcium Phosphate

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient:	CAS #:	EINECS #:
Methyl Methacrylate Crosspolymer	25777-71-3	Polymer
Dicalcium Phosphate	7757-93-9	231-826-1

SECTION 3: HAZARD IDENTIFICATION

Caution! Use in a well-ventilated area. Possible explosive dust-air mixture might form.
Keep away from sources of ignition, sparks, and flame.
Refer to other MSDS sections for detailed information.

SECTION 4: FIRST AID MEASURES

Effects and Symptoms:

Effects of Overexposure : May cause mechanical irritation to eyes.
Medical Conditions Aggravated by Exposure : Persons with respiratory conditions may be at increased risk.
Primary Route(s) of Entry : Skin and eye contact.

Emergency First Aid:

Eye Contact : Flush eyes with water for at least 15 min. See physician if irritation persists.
Skin Contact : Flush skin with water.
Inhalation : Remove to fresh air. If breathing is difficult give oxygen. See physician.
Ingestion : None needed for small amounts. For large amounts, if conscious, give water and call physician. Do not induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

For reference (by The Technical Institute of Industrial Safety (Japan))

Dust Explosive data of Crosslinked Polymethyl Methacrylate
(Mean particle diameter 5 microns)
Explosive lower limit : 50g/m³
Max Explosive pressure : 8.3 bar
Min Ignition energy : <10mJ
Dust explosion class : stage 3
Extinguishing Media : Water, Dry Chemical, and Foam
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards : Prevent the accumulation of air borne dust/dust cloud. The potential of a dust cloud explosion exists.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : Eye contact and excessive skin contact.
Environmental Precautions: : Prevent material from contaminating soil or entering sewerage and drainage systems.
Spill response : Use appropriate NIOHS/MSHA approved respirator. Wear chemical gloves, goggles, and lab coat. Carefully contain spilled material. Deposit spilled material in appropriate waste container.

SECTION 7: HANDLING AND STORAGE

TECHPOLYMER PAC-M810

Handling	: Use with adequate ventilation. Avoid contact with eyes. Wash thoroughly after handling and before mealtimes. Follow all MSDS and label precautions even after container is emptied since it may contain residual material.
Storage	: Do not store in direct sunlight, high temperatures, high humidity or sources of ignition.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Levels:	OSHA	ACGIH
None established	<u>TWA</u> <u>PEL</u>	<u>TWA</u> <u>TLV</u>

Personal Protection:

Eye Protection	: Safety glasses with side shields or goggles
Skin Protection	: Rubber gloves, wash at meals and end of shifts
Respiratory Protection	: Use NIOSH/MSHA approved air-purifying respirator as needed to control exposure.
Ventilation	: Provide adequate general mechanical exhaust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°C)	: N/A	Percent Volatile By Vol. (%)	: >2
Freezing Point (°C)	: N/A	Vapor Density (Air=1)	: N/A
Melting Point (°C)	: N/A	Evaporation Rate (Buac=1)	: N/A
Vapor Pressure (mm hg)	: N/A	Solubility In Water	: Insoluble
Specific Gravity (H2O=1)	: 1.2	Appearance & Odor	: White powder, odorless

SECTION 10: STABILITY AND REACTIVITY

Stable	: Yes
Hazardous Polymerization	: Will not occur
Conditions to Avoid	: High temperatures, high humidity or sources of ignition.
Incompatibility	: None known
Hazardous Decomposition Products	: None known

SECTION 11: TOXICOLOGICAL INFORMATION

Primary Skin Irritation(rabbit)	: No Irritation
Accumulated Skin Irritation (rabbit)	: No Irritation
Eye Irritation(rabbit)	: No Irritation
Oral Toxicity (rat)	: LD ₅₀ > 2,000 mg/kg
Sensitization (guinea pig)	: No Irritation
Primary Irritation For Human	: No Irritation
Skin (adult male and female N=40)	
Mutagenicity	: Negative in the AMES Test and Chromosomal Aberration Test with or without metabolic activation

SECTION 12: ECOLOGICAL INFORMATION

No information is available.

SECTION 13: DISPOSAL CONSIDERATIONS

Method of Disposal	: Dispose of in accordance with all applicable federal, state, and local regulations. Material may be sent to an approved landfill or licensed treatment, storage, and disposal facility.
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SECTION 14: TRANSPORT INFORMATION

Not Regulated for Transport.

SECTION 15: REGULATORY INFORMATION

No information is available.

SECTION 16: OTHER INFORMATION

Prepared Date : August 10, 2007
Date Revised : June 16, 2008
By Eric Smith

Note:

The statements made here are intended to describe the product with regard to necessary safety precautions. They do not guarantee special characteristics. This information is furnished without warranty, expressed or implied, except that it is accurate to the best of our current knowledge.