

MATERIAL SAFETY DATA SHEET

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Section 1. Chemical Product and Company Identification

Product Code MPT1-25"1 includes MPT-5	
Product Name MET-X POWDER	
Manufacturer's Name Mark V Laboratory, Inc.	Emergency Telephone Number CHEMTREC 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 18 Kripes Road	Telephone Number For Information (860) 653-7201
Post Office Box 540	Date Prepared January 1, 2012
East Granby, Connecticut 06026	Signature of Preparer (optional)

Section 2. Composition / Information on Ingredients

Component	CAS Registry #	wt. %	Exposure Limits	
			ACGIH TLV	OSHA PEL
Poly (Methyl Methacrylate)	9011-14-7	99	100ppm	100ppm
			410mg/m ³	410mg/m ³
			8hr.TWA	8hr.TWA

Section 3. Hazards Identification

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EMERGENCY OVERVIEW

Solid granules. May evolve irritating fumes on processing or over heating.

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POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Dust may cause irritation.

INHALATION: Unlikely to be hazardous but dust or vapors may cause irritation.

SKIN CONTACT: Unlikely to cause skin irritation.

INGESTION: Low oral toxicity.

CHRONIC EFFECTS / CARCINOGENICITY: No evidence of adverse effects but adverse effects unlikely.

TERATOLOGY (BIRTH DEFECT) INFORMATION: No information but adverse effects unlikely.

REPRODUCTION INFORMATION: No information but adverse effects unlikely.

Product: MP-5, MP-25, MP-505, MET-X

Section 4. First Aid Measures

INHALATION: Remove patient from exposure. Obtain medical attention if ill effect occurs.

EYE CONTACT: Remove particles by irrigating with eye wash solution or clean water, holding eyelids apart. Obtain medical attention.

SKIN CONTACT: Wash skin with soap and water.

INGESTION: Do not induce vomiting. Wash out mouth with water. Obtain medical attention.

Section 5. Fire Fighting Measures

FLAMMABLE PROPERTIES:

FLASH POINT: 300c (572f)

METHOD USED: ASTM D1929

FLAMMABLE LIMITS

LFL:

UFL:

EXTINGUISHING MEDIA: Water spray, Foam, Dry Powder, or CO2.

FIRE & EXPLOSION HAZARDS: Combustible but not readily ignited. May form explosive dust clouds. May decompose if heated above 200 Deg C. Combustion or thermal decomposition will evolve toxic, irritant and flammable vapors.

FIRE FIGHTING INSTRUCTIONS: A self-contained breathing apparatus and full protective clothing should be worn in fire conditions.

Section 6. Accidental Release Measures

CAUTION: Spillage may be slippery. Sweep up and shovel into waste drums or plastic bags. Wash the spillage area with water.

Section 7. Handling and Storage

Keep Containers in a clean, cool and dry area away from heat sources. Natural ventilation is adequate. Storage temperature: ambient. Avoid contact with eyes. Avoid prolonged skin contact. Avoid inhalation of high concentrations of dusts.

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Section 8. Exposure Controls / Personal Protection

ENGINEERING CONTROLS: Store in a cool dry area. Provide adequate ventilation.**RESPIRATORY PROTECTION:** An approved dust mask is recommended.**SKIN PROTECTION:** Wear appropriate clothing if working with hot material.**EYE PROTECTION:** The use of eye protection is recommended.**EXPOSURE GUIDELINE (S):** "LUCITE" 4F and 4FD Acrylic Resins. PEL (OSHA): Particulates (Not Otherwise Classified) 15mg/m³, 8 hrs. TWA. Total dust 5mg/m³, 8 hr. TWA, respirable dust. TLV ACGIH: None established.

Section 9. Physical and chemical Properties

APPEARANCE:	White	PHYSICAL STATE:	Beads
BOILING POINT:		SOLUBILITY IN WATER:	Negligible
EVAPORATION RATE:		SPECIFIC GRAVITY:	
FREEZING POINT:		VAPOR DENSITY:	
MELTING POINT:		VAPOR PRESSURE:	
MOLECULAR WEIGHT:		VISCOSITY:	
ODOR:	Typical "methacrylate"	% VOLATILE:	<1%
pH:			

Section 10. Stability and Reactivity

CHEMICAL STABILITY:**INCOMPATIBILITY:** None known**HAZARDOUS DECOMPOSITION PRODUCTS:** Methyl methacrylate.**HAZARDOUS POLYMERIZATION:** Will not occur.

Section 11. Toxicological Information

EYE: Dust may cause irritation.**SKIN:** Unlikely to cause skin irritation.**INGESTION:** Low oral toxicity.**INHALATION:** Unlikely to be hazardous. High concentrations of dust may irritate upper respiratory tract. High concentrations of vapor may be harmful causing irritation to respiratory tract and slight narcotic effects.

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SUBCHRONIC: This material has been in use for many years with no evidence of adverse effects.

Section 12. Ecological Information

ENVIRONMENTAL FATE and DISTRIBUTION: High tonnage material produced in partially Contained systems. Solid with low volatility. The product is essentially insoluble in water. The product has low potential for bioaccumulation. The product is predicted to have low mobility in soil.

PERSISTENCE and DEGRADATION: The product is non-biodegradable in soil. There is no evidence of degradation in soil and water.

TOXICITY: The product is predicted to have low toxicity to aquatic organisms.

EFFECT on EFFLUENT TREATMENT: The product is anticipated to be poorly removed in biological treatment processes.

Section 13. Disposal Considerations

Waste is considered to be non-hazardous. May be disposed of by landfill in accordance with local, state and federal regulations.

Section 14. Transport Information (Not meant to be all inclusive)

D.O.T. SHIPPING NAME: N/A
TECHNICAL SHIPPING NAME: N/A
D.O.T. HAZARD CLASS: N/A
U.N. / N.A. NUMBER: N/A
PRODUCT RQ (LBS): N/A
D.O.T. LABEL: N/A
D.O.T. PLACARD: N/A
FREIGHT CLASS BULK: N/A
FREIGHT CLASS PACKAGE: N/A
PRODUCT LABEL: MP5, 25,50,100

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA STATUS: Yes

TSCA STATUS: No

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: No

SECTION 311/312 HAZARDOUS CATEGORIES: No

SECTION 313 TOXIC CHEMICALS: No

RCRA STATUS: To be determined by user

CALIFORNIA PROPOSITION 65: No

Section 16. Other Information

MSDS STATUS:

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