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Material Safety Data Sheet 'T-5'

Manufacturers Name:

OPTI-BLAST
P.O. Box 2079
Jacksonville, TX 75766
Phone: (903) 589-0452

Chemical Name & Synonym:

Poly (Methyl-Methacrylate) CAS Reg No. 80-62-6

Chemical Family:

Acrylic Polymer

Formula:

N/A

Trade Name:

Opti-Blast T-5

Uses:

Plastic Blast Media

Physical Data

Appearance & Odor:

Dry Granular, Clear To Various Opaque Colors, Mild Odor, and Non-Toxic

Solubility/Behavior In Water:

Insoluble – No Reaction With Water

Boiling Point(F):

N/A

Evaporation Rate:

0

Specific Gravity:

1.15 – 1.19

Freezing/Melting Point (F):

132-Deg © / 270-Deg (f)

Volume Volatile (%):

0

Vapor Density (Air=1):

0

Vapor Pressure (mm Hg):

0

Hazardous Ingredients

Hazardous Ingredients:

N/A

CAS Number:

N/A

Hazard Data:

N/A

Fire & Explosion Data

Flash Point:

N/A

Auto-Ignition Temperature:

393 © / 739 (f)

Explosive Limits:

N/A

Extinguisher:

Water, Dry Chemical Or Carbon Dioxide

Fire Fighting Equipment:

Full Protective Gear

Unusual Hazards:

Material Sold Is Combustible, Burns Vigorously With Intense Heat.

Personal Protective Equipment:

Self Contained Breathing Apparatus (Pressure-Demand, MSHA/NIOSH Approved)

Health Hazard Data

Hazard By Routes Of Entry:

Inhalation – Avoid Inhalation. Can Cause Irritation Of Nose, Throat, & Lungs.
Can Cause Dizziness, Headache & Nausea.

Ingestion – None Known

Skin/Eye Contact:

Irritation Of Eyes, Nose, Throat & Dermatitis On Skin

First Aid:

Eyes – Flush With Water Until Particles Are Removed For At Least 15 Minutes.

Internal – Call Physician. Inhalation – Remove To Fresh Air. Skin – Wash With Soap & Water Until Particles Are Removed.

Conditions For Safe Use:

Always Wear NIOSH/OSHA Approved Respirator When Handling This Product.
Eye Goggles Are Recommended.

Reactive Data

Stability:

Stable

Hazardous Decomposition Products:

May Yield Acrylic Monomers. Avoid Temperatures Above 260 °C / 500 (f)

Hazardous Polymerization:

Will Not Occur

Incompatibility:

Avoid Contact With Acids, Alkaline And Strong Oxidizing Agents.

Spill Or Leak Procedures

Procedures:

Wear Gloves (Cotton, Canvas Or Leather). Use Safety Glasses (ANSI Z87.1 Or Equivalent)

Waste Disposal:

Material Should Be Returned To Suitable Containers For Recovery & Disposal.

Special Precautions

Handling & Storing:

This Material Is Not Hazardous Under Normal Conditions. However, All Material Of This Type Releases Some Monomer Vapors Or Gasses When Stored For Prolonged Periods At Elevated Temperatures. Avoid Temperature Extremes During Storage, Ambient Temperature Preferred.

Exposure Controls/Personal Protection

Exposure Limit Information:

No. 1 Poly (Methyl Methacrylate) Component No. 1 OSHA – TWA (None) STEL (None) ACGIH TWA (None) STEL (None)

Respiratory Protection:

A Respiratory Protection Program Meeting OSHA 1910.134 And ANSI 288.2 Requirement Must Be Followed Whenever Workplace Conditions Warrant A Respirator. None Required If Airborne Concentrations Are Maintained Below The Exposure Limit Listed In (Exposure Limit Information) Up To 10 Times The TWA/TLV: Wear A MSHA/NIOSH Approved Or Equivalent, Half Mask Air-Purifying Respirator. Up To 1,000-PPM Organic Vapor: Wear A MSHA/NIOSH Approved Or Equivalent Self-Contained Breathing Apparatus In The Positive Pressure Mode, Or MSHA/NIOSH Approved Or Equivalent Full-Facepiece Airline Respirator In The Positive Pressure Mode With Emergency Escape Provisions.

Eye Protection:

Wear Safety Glasses (ANSI Z87.1) Or Approved Equivalent.

Hand Protection:

Cotton, Canvas Or Leather Gloves.

Engineering Controls (Ventilation):

Use Local Exhaust Ventilation With A Minimum Capture Velocity Of 100-Ft/Min (0.5M/Sec) At The Point Of Vapor Evolution. Refer To The Current Of Government Industrial Hygienist For Information On The Design, Installation, Use And Maintenance Of Exhaust Systems.