

THE FLEXITE COMPANY

40 ROSELLE STREET

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MATERIAL SAFETY DATA SHEET

Material: **FLEXITE M.P.**

Code All

Key 898338-0

Date Issured 09-04-02

Dot Hazard Class NON REGULATED

Formula NA

Chemical Name or Synonyms: Acrylic Co-Polymer

I - COMPOSITIONAL INFORMATION

Acrylic Polymer

Methyl methacrylate monomer

CAS Reg. No. Nonhaz 80-62-6

Approx Wt% 100 trace

TWZ/TLV R&H OSHA ACCGIH

NE NE NE ppm

50 50 100 ppm

II - PHYSICAL PROPERTY INFORMATION

Appearance - Odor - ph.

Solid pellets; mild odor

Viscosity NA

Melting or Freezing Point 132C/270F min. flow

Boiling point NA

Vapor Pressure (mm Hg) NA

Vapor Density (Air=1) NA

Solubility in Water Negligible

Percent Volatile (By Weight) 0

Specific Gravity (water=1) 1.15-1.19

Evaporation Rate (Butyl Acetate=1) NA

Hazard Rating

4= Extreme 0= Insignificant

3= High * = See section IV

2= Moderate

1= Slight

Fire (1)

Reactivity (0)

Toxicity (0)

III - FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point: NA

Auto Ignition Temperature: 393C/740F

Lower Explosion Limit (%): NA

Upper Explosion Limit (%): NA

Extinguishing Media: CO2, Dry Chemical, and Water Spray

Special Fire Fighting Procedures

Wear respirator (pressure-demand, self-contained breathing apparatus, MSHA/NIOSH-approved or equivalent) and full protective gear.

Unusual Fire and Explosion Hazards

Product is combustible thermoplastic resin. Burns vigorously with intense heat.

IV - HEALTH HAZARD INFORMATION

TWA: See Section I; Stel = 75 ppm for methyl methacrylate monomer

EFFECTS OF OVEREXPOSURE

Inhalation: Monomer vapors from heated product can cause irritation, nausea, headache and dizziness.

Eye Contact: Monomer vapors from heated product can irritate the eyes.

EMERGENCY AND FIRST AIR PROCEDURES

Inhalation: Move subject to fresh air.

Eye Contact: Flush eyes with water.

V - REACTIVITY INFORMATION

Stability : stable.

Conditions to Avoid: Temperatures over 260C/500F

Hazardous Decomposition Products: Acrylic monomers

Hazardous Polymerization: Will Not Occur

Conditions To Avoid: NA

Incompatibility (materials to avoid): Strong acids, bases, oxidizing agents

VI - SPILL OR LEAK PROCEDURE INFORMATION

Floor may be slippery; use care to avoid falling.

VII - SPECIAL PROTECTION INFORMATION

Ventilation Type: Use normal room ventilation for storage. During processing use exhaust ventilation.

Respiratory Protection: None required for normal operations.

Protective Gloves: Cotton or canvas

Eye Protection: Safety glasses with side shields (ANSI Z87.1 or equivalent)

Other Protective Equipment: Eyewash facility

VIII - STORAGE AND HANDLING INFORMATION

Storage temperature: Max. 93C/200F min. NA

Store at ambient temperatures.

IX - TOXICITY INFORMATION

Note: This material is a solid polymer in pellet form and is not hazardous in normal storage and handling; however, all thermoplastic materials release some vapors or gases at high temperatures. Low levels of monomer vapors may be generated when this material is heated during processing.

X - MISCELLANEOUS INFORMATION

Footnote to Section I: NE=None Established

NA= Not Applicable

C= Ceiling Value

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Date of Issure 09-03/02

Supersedes 03-21-84

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