

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Transparent Lucite

AM1133

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS NO.   | %W  | CHEMICAL NAMES            |
|-----------|-----|---------------------------|
| 9011-14-7 | >99 | Poly (methlymethacrylate) |

## 3. HAZARD IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

EYES: Dust may cause irritation.

SKIN: unlikely to cause skin irritation.

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

INGESTION: Low oral toxicity.

CHRONIC (CANCER) INFORMATION: No evidence of adverse effects, but adverse effects unlikely.

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

REPRODUCTIVE INFORMATION: No information but adverse effects unlikely.

## 4. FIRST AID MEASURES

EYES: Flush with large amounts of water. Get medical attention

INHALATION: Removed from exposure. Get medical attention if ill effects continue.

SKIN: Wash skin with plenty of soap and water.

INGESTION: Do not induce vomiting. Wash out mouth with water. Obtain medical attention if ill effects occur.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Flash Point: 300 C (572 F) Method: ASTM D1929

Flammable Limits: (% by Volume in Air): Lower: None Upper: None

Combustible but not readily ignited. May form explosible dust clouds in air. May decompose if heated above 200 C. Combustion or thermal decomposition will evolve toxic, irritant and flammable vapors.

INCOMPATIBLE MATERIALS: None known.

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Not available.

EXTINGUISHING MEDIA: Water spray, foam, dry powder of CO<sub>2</sub>.

FIREFIGHTING INSTRUCTIONS: a self-contained breathing apparatus and full protective clothing should be worn in fire conditions.

## **6. ACCIDENTAL RELEASE MEASURES**

SMALL/LARGE SPILL: Spillages may be slippery. Sweep up and shovel into waste drums or plastic bags. Wash the spillage area with water.

## **7. HANDLING AND STORAGE**

HANDLING: Keep dust from sources of ignition. Use precautions in lifting and prevent dropping.

STORAGE: Keep container closed. Keep dust from sources of ignition. Store material away from incompatible materials.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

NORMAL HANDLING: The use of eye protection is recommended. An approved dust mask should be worn if exposure to high levels of dust are likely.

### **EXPOSURE GUIDELINES**

PEL (OSHA): Particulates (Not Otherwise Classified)

15 mg/m<sup>3</sup>, 8 hr. TWA, total dust

5 mg/m<sup>3</sup>, 8 hr TWA, respirable dust

TLV (ACGIH): None Established

### **OTHER APPLICABLE EXPOSURE LIMITS**

### **METHYL METACRYLATE**

PEL (OSHA): 100 PM, 8 HR TWA

TLV (ACGIH): 50 PPM, 8 HR TWA, 100 PPM 15 MIN STEL

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: beads

SOLUBILITY IN WATER: Negligible

ODOR: typical "methacrylate"

PERCENT VOLATILES: <1%

SPECIFIC GRAVITY: Not established.

## **10. STABILITY AND REACTIVITY**

HAZARDOUS REACTIONS: None Known.

HAZARDOUS DECOMPOSITION PRODUCTS: Methyl Methacrylate.

HAZARDOUS POLYMERIZATION: will not polymerize.

## **11. TOXICOLOGICAL INFORMATION**

INHALATION: Unlikely to be hazardous by inhalation.

High concentrations of dust may be an irritant to the upper respiratory tract. High concentrations of vapor from hot operations may be harmful, cause irritation of the respiratory tract and slight narcotic effects.

SKIN CONTACT: Unlikely to cause skin irritation

EYE CONTACT: Dust may cause irritation.

INGESTION: Low oral toxicity.

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

## **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:

## **13. DISPOSAL CONSIDERATION**

Lucite waste is considered to be non-hazardous. Clean scrap may be reprocessed. Incineration may be used to recover energy value. May be disposed of by landfill in accordance with local regulations. Certain packages are returnable. Please consult your local office for further details. Ensure that all packaging is disposed of safely.

## **14. TRANSPORTATION INFORMATION**

USA DOT: Not regulated

## **15. REGULATORY INFORMATION**

US FEDERAL REGULATIONS

SARA TITLE III:

Section 313 Toxic Chemicals: None

## **16. OTHER INFORMATION**

### **SUPPLEMENTAL INFORMATION**

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

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