



## M A T E R I A L   S A F E T Y   D A T A   S H E E T

### MB838A

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

- 1) Product Name : MB838A
- 2) MATERIAL CLASSIFICATION : Plastics, Polymers
- 3) MATERIAL APPEARANCE : White, free-flowing powder
- 4) FUNCTIONS & ROLES : Impact modification of PVC products

#### SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient Name                          | CAS REG NO   | Weight(%)   |
|--|--------------|-------------|
| Methylmethacrylate/Butadiene/<br>Styrene | Trade Secret | 95.0 ~ 98.0 |
| Acrylic Polymer                          | Trade Secret | 2.0 ~ 5.0   |
| Residual Monomer                         | Trade Secret | < 0.1       |

#### OSHA Regulatory Status

While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and made available for employees and other users of this product.

#### SECTION 3. HAZARDS IDENTIFICATION

##### Emergency Overview

##### Potential Health Effects

1) A white powder with a mild acryl odour  
Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. Based on its composition, it is anticipated to be slightly to moderately irritating to eyes and skin. Inhalation may cause drying of mucous membranes of the eyes, nose and throat ( due to absorption of moisture and oils ) which may result in irritation and occasional nosebleeds. Repeated exposure may cause an allergic skin reaction. Under normal processing conditions, this material will release fume or vapour. Components of these releases may vary with processing time and temperatures. Theses process releases may produce eye, skin and/or respiratory tract irritation and, with repeated or prolonged exposure, nausea, drowsiness, headache and weakness.

## SECTION 4. FIRST AID MEASURES

- 1) Inhalation : Remove subject from exposure and move to fresh air.
- 2) Eye and skin contact : Flush or wash the contacted area with large amount of water, and get medical attention if irritation persists.
- 3) Ingestion : Material causes no harmful effects under normal circumstances. But, if vomiting occurs, get medical attention immediately.

## SECTION 5. FIRE FIGHTING MEASURES

- 1) FLASH POINT : N/A
- 2) Auto ignition temperature : 420°C[788°F]
- 3) Lower dust explosion limit : 0.03-0.07g/ℓ
- 4) Minimum ignition energy : 160milli-joule
- Fire and explosion hazards Slight fire hazard. Dust/air mixtures may ignite or explode.
- Extinguishing media regular dry chemical, carbon dioxide, water, regular foam. For large fires, use regular foam or flood with fine water spray.

## SECTION 6. ACCIDENTAL RELEASE MEASURE

- PERSONAL PROTECTION** Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations. If exposure to material during clean-up operation, see SECTION 4 , First Aid Measures, for actions to follow.

## SECTION 7. HANDLING AND STORAGE

- 1) Indoor : Yes
- 2) Heated : No
- 3) Refrigerated : No
- 4) Ventilated : Yes, Use explosion-resistant if explosive concentration of material are present.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering Controls** Investigation engineering techniques to reduce exposures. Provide ventilation if necessary to minimize exposures. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

### PERSONAL PROTECTION

- 1) Type of ventilation : Exhaust ventilation should be provided.
- 2) Respiratory protection : None required for normal operations.
- 3) Protective groves : Recommended use impervious gloves to avoid irritation.
- 4) Eye protection : Safety glasses with side shields
- 5) Other protective equipment : Eyewash facility should be provided.

## SPILL OR LEAK PROCEDURE

- 1) **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** : Sweep up and shovel into containers for recovery or disposal.
- 2) **WASTE DISPOSAL:** Incinerate in approved equipment or bury in ground.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                              |              |
|------------------------------|--------------|
| Appearance                   | Free-flowing |
| Colour                       | White powder |
| pH                           | NA           |
| Specific Gravity( Water = 1) | 1.10         |
| Vapour Pressure( Air = 1 )   | NA           |
| Vapour Density               | NA           |
| Melting Point                | NA           |
| Freezing Point               | NA           |
| Boiling Point                | NA           |
| Solubility In Water          | In Soluble   |
| Percent Volatile             | < 1 %        |

## SECTION 10. STABILITY AND REACTIVITY

- 1) **Stability :** Stable at normal temperatures and pressure.
- 2) **Conditions to avoid :** Avoid heat, flames, sparks and other sources of ignition.  
Avoid contact with incompatible materials.
- 3) **Incompatibilities :** Combustible materials, oxidizing materials
- 4) **Polymerisation :** Will not polymerise.

## SECTION 11. TOXICOLOGICAL INFORMATION

No data is available on this polymer.

## SECTION 12. ECOLOGICAL INFORMATION

No applicable information available.

## SECTION 13. DISPOSAL CONSIDERATION

**Waste Disposal** Recover, reclaim or recycle when practical. Disposal via incineration is recommended. Appropriate pre-treatment and disposal in an authorized landfill is acceptable. In all cases, dispose of material in accordance with all applicable federal, state and local laws and regulations. Consult appropriate regulatory officials or your attorney for information on such disposal.

## SECTION 14. TRANSPORTATIONS

US DOT Hazard Class  
NON-REGULATED

## **SECTION 15. REGULATORY INFORMATION**

### **SARA HAZARD CLASSIFICATION**

- 1) Immediate (Acute) Health : no
- 2) Delayed (Chronic) Health : no
- 3) Reactive : no
- 4) Fire : no

The components of this product are all on the TSCA inventory list.

### **TSCA Inv**

TSCA Inventory Statuses : Acrylic Polymer

## **SECTION 16. OTHERS INFORMATION**

- 1) This Material Safety Data Sheet may be serviced by fax or by mail on request.
- 2) The statements, technical information and recommendations contained in the Sheet are based on tests and, however, are not guaranteed or not constituting a WARRANTY that the materials described are fit for a particular purpose of customer

### **FOR MORE INFORMATION**

Please kindly contact to the address of manufacturer's address before-mentioned.

Also, our sales offices referred from our brochure or local agents are available from the most countries.