

# Mallinckrodt

## Material Safety Data

Emergency Phone Number: 314-982-5000

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Mallinckrodt, Inc., Science Products Division, P.O. Box M, Paris, KY 43061.

### AMBERLITE® MONOBED RESINS

#### PRODUCT IDENTIFICATION:

Synonyms: Amberlite® MB-1; Amberlite® MB-3;  
Amberlite® MB-1 AR

Formula CAS No.: Not applicable to mixtures.

Molecular Weight: Not applicable.

Chemical Formula: Polymer mixture.

Hazardous Ingredients: None.

#### PRECAUTIONARY MEASURES

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

#### EMERGENCY/FIRST AID

SEE SECTION 5.

DOT Hazard Class: Not Regulated

#### SECTION 1 Physical Data

Appearance: Mixed light and dark amber beads.

Odor: Slight amine odor.

Solubility: Insoluble in water.

Boiling Point: Not applicable.

Melting Point: No information found.

Density: 1.1

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): Like water.

Evaporation Rate: ca. 1 (water-1).

#### SECTION 2 Fire and Explosion Information

##### **Fire:**

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Autoignition temperature about 427°C (800°F).

##### **Explosion:**

Not considered to be an explosion hazard.

##### **Fire Extinguishing Media:**

Water spray, dry chemical, alcohol foam, or carbon dioxide.

##### **Special Information:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

#### SECTION 3 Reactivity Data

##### **Stability:**

Stable under ordinary conditions of use and storage.

##### **Hazardous Decomposition Products:**

May form carbon oxides and nitrogen oxides when heated to decomposition.

Sulfur oxides may also be present in small amounts.

##### **Hazardous Polymerization:**

This substance does not polymerize.

##### **Incompatibilities:**

Nitric acid and similar strongly oxidizing liquids.

#### SECTION 4 Leak/Spill Disposal Information

Caution! Floor and other surfaces may be slippery. Sweep, scoop or pick up spilled material. Package unreclaimable material for disposal in an approved waste disposal facility.

Ensure compliance with local, state and federal regulations.

**SECTION 5 Health Hazard Information**

**A. EXPOSURE / HEALTH EFFECTS**

**Inhalation:**

Not expected to be a health hazard.

**Ingestion:**

Extremely large oral dosages may produce gastrointestinal disturbances. The effects would be those of bulking, mainly discomfort and possible nausea or osmotic imbalance due to the exchange of ions. A possibly hazardous condition might occur if the ingested resin was previously loaded with toxic ions which could be released in the stomach.

**Skin Contact:**

No adverse health effects expected.

**Eye Contact:**

Can cause slight eye irritation with reddening.

**Chronic Exposure:**

No adverse health effects expected.

**Aggravation of Pre-existing Conditions:**

No adverse health effects expected.

**B. FIRST AID**

**Inhalation:**

Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:**

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

**Skin Exposure:**

Wash exposed area with soap and water. Get medical advice if irritation develops.

**Eye Exposure:**

Wash thoroughly with running water. Get medical advice if irritation develops.

**C. TOXICITY DATA** (RTECS, 1982)

No LD50/LC50 information found relating to normal routes of occupational exposure.

**SECTION 6 Occupational Control Measures**

**Airborne Exposure Limits:**

None established.

**Ventilation System:**

Not expected to require any special ventilation.

**Personal Respirators: (NIOSH Approved)**

Not expected to require personal respirator usage.

**Skin Protection:**

Wear protective gloves and clean body-covering clothing.

**Eye Protection:**

Use chemical safety goggles. Contact lenses should not be worn when working with this material.

**SECTION 7 Storage and Special Information**

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Protect from freezing.

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