
SPILL OR LEAK HANDLING INFORMATION

Personal Protection - Appropriate protective equipment must be worn when handling a spill of this material. See the **PERSONAL PROTECTION MEASURES** Section for recommendations. If exposed to material during clean-up operations, see the **FIRST AID PROCEDURES** Section for actions to follow.

Procedures - Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. **CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

HAZARD INFORMATION

The health effects of this product have not been tested. The following information is based on the hazards of its components.

HEALTH EFFECTS FROM OVEREXPOSURE

Primary Routes of Exposure - Inhalation
Eye Contact
Skin Contact

Inhalation - Inhalation of vapor or mist can cause the following: headache
- nausea - irritation of nose, throat and lungs.

Eye Contact - Direct contact with material can cause the following: slight irritation.

Skin Contact - Prolonged or repeated skin contact can cause the following: slight skin irritation.

FIRE AND EXPLOSIVE PROPERTIES

Flash Point.....Noncombustible
Auto-ignition temperature.....Not Applicable
Lower explosive limit.....Not Applicable
Upper Explosive limit.....Not Applicable

REACTIVITY INFORMATION

Instability - This material is considered stable. However, avoid temperatures above 177°C/350°F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.

Hazardous Polymerization - Product will not undergo polymerization.

Incompatibility - This product should not come in contact with solvent borne materials.

ACCIDENT PREVENTION INFORMATION
COMPONENT EXPOSURE INFORMATION

Component Information

| No. | | Amt.(%) |
|-----|----------------------|---------|
| 1. | Acrylic polymer..... | 15 |
| 2. | Pigment..... | 21 |
| 3. | Water..... | 55 |
| 4. | Other..... | 9 |

EXPOSURE LIMIT INFORMATION

| Component No. | Units | CERATECH | | OSHA | | ACGIH | |
|------------------|-------|----------|------|------|------|-------|------|
| | | TWA | STEL | TWA | STEL | TWA | STEL |
| 1. | | none | none | none | none | none | none |
| 2. | | none | none | none | none | none | none |
| 3. | | none | none | none | none | none | none |

PERSONAL PROTECTION MEASURES

Respiratory Protection - None required under normal operating conditions. When mist occurs during spraying operations, wear a **MSHA/NIOSH** - approved (or equivalent) disposable half-mask dust/mist respirator.

Eye Protection - Use chemical splash goggles (**ANSI Z87.1** or approved equivalent).

Hand Protection - The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection:
Neoprene.

STORAGE AND HANDLING INFORMATION

Storage Conditions - Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 1°C/34°F. The maximum temperature for this material is 49°C/120°F.

SUPPLEMENTAL INFORMATION

TYPICAL PHYSICAL PROPERTIES

| | |
|---------------------------------|----------------------|
| Color | White |
| State | Liquid |
| Odor Characteristic..... | Acrylic odor |
| pH | 8.5-9.0 |
| Viscosity | 85-90 KU |
| Percent Solids | 40% |
| Specific Gravity (Water=1)..... | >1 |
| Vapor Density (Air=1) | =1 |
| Vapor Pressure | 17 mm Hg @ 20°C/68°F |
| Freezing Point | 0°C/32°F |
| Boiling Point..... | 104°C/220°F |
| Solubility in Water | Dilutable |
| Percent Volatility | 55% |
| Evaporation Rate (BAc=1) | < 1 Water |

TOXICITY INFORMATION

Acute Data - The information shown in the HEALTH EFFECTS FROM OVEREXPOSURE Section is based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this product. Typical data are:

Oral LD50 - rat: > 5000 mg/kg
Dermal LD50 - rabbit: > 5000 mg/kg
Skin Irritation - rabbit: Practically non-irritating
Eye Irritation - rabbit: Inconsequential irritation

WASTE DISPOSAL

Procedure- Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

REGULATORY INFORMATION

WORKPLACE CLASSIFICATIONS

None of the compounds used in this product is listed as a potential carcinogen by OSHA. This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200). This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

TRANSPORTATION CLASSIFICATION

US DOT Hazard Class.....NONREGULATED

CERCLA INFORMATION (40CFR 302.4)

Release of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

RCRA INFORMATION

When this product becomes a waste, it is classified as a non-hazardous waste under criteria of the Resource Conservation and Recovery Act (40 CFR 261).

ABBREVIATIONS:

ACGIH = American Conference of Governmental Industrial Hygienists
OSHA = Occupational Safety and Health Administration
PEL = Permissible Exposure Limit
TWA = Time Weighted Average Exposure
STEL = Short-Term Exposure Limit
BAc = Butyl acetate

The information contained herein relates only to the specific material identified. Ceratech Coatings Corporation believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Ceratech Coatings Corporation urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.