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## 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, dizziness.

**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.....Non-combustible  
Auto-ignition temperature.....Not Applicable  
Lower explosive limit.....Not Applicable  
Upper Explosive limit.....Not Applicable

### REACTIVITY INFORMATION

**Instability -** This material is considered stable. Coagulation may occur following freezing, thawing or boiling.

**Hazardous Polymerization -** Product will not undergo polymerization.

**Incompatibility -** This product should not come in contact with mineral acids (i.e. sulfuric, phosphoric, etc.); Alkalis (i.e. Sodium or Potassium Hydroxide etc.)

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## ACCIDENT PREVENTION INFORMATION

### COMPONENT EXPOSURE INFORMATION

#### Component Information

No.		Amt.(%)
1.	Modified Urethane Hybrid Polymer.....	32
2.	Water.....	59
3.	Proprietary.....	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.

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#### SUPPLEMENTAL INFORMATION

##### TYPICAL PHYSICAL PROPERTIES

Color.....	Opaque
State.....	Viscous Paste
Odor Characteristic.....	Ammoniacal
pH.....	8.0-8.5
Viscosity.....	120 KU
Percent Solids.....	34%
Specific Gravity (Water=1).....	1.1
Vapor Density (Air=1).....	Water Vapor
Vapor Pressure.....	17 mm Hg @ 20°C/68°F
Freezing Point.....	0°C/32°F
Boiling Point.....	100°C/212°F
Solubility in Water.....	Dilutable
Percent Volatility.....	59%
Evaporation Rate (BAc=1).....	No Data

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## 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

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## 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.

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## 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 a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TLCP).

#### 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 = Butylacetate

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.