
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 Decomposition / Material - Under severe thermal degradation - low molecular - weigh organic compounds will be formed.

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. Modified Urethane polymer.....	31
2. Water.....	62
3. Proprietary.....	7

EXPOSURE LIMIT INFORMATION

Component No. Units	CERATECH
1.	none none
2.	none none
3.	10.0 ppm

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.....	Hazy/Pale Yellow
State.....	Liquid
Odor Characteristic.....	Urethane odor
pH.....	8.1
Viscosity.....	35 KU
Percent Solids.....	30%
Specific Gravity (Water=1).....	1.02
Vapor Density (Air=1).....	>1
Vapor Pressure.....	N.A.
Freezing Point.....	0°C/32°F
Boiling Point.....	192-396°F/89-202°C
Solubility in Water.....	Dilutable
Percent Volatility.....	70%
Evaporation Rate (BAc=1).....	<1

TOXICITY INFORMATION

Acute Data - This product does not contain 0.1% or more of any substance listed as a carcinogen by NTP< IARC or OSHA.

N-Methyl-2-Pyrrolidone:
ORAL/RAT LD50-3914Mg/Kg.
DERMAL/RABBIT LD50-8g/Kg.
N-Methyl-2-Pyrrolidone has been shown in some studies to present a risk of reproductive and development harm

Triethylamine:
ORAL/RAT LD50 460Mg/Kg.
DERMOL/RABBIT LD50 570Mg/Kg.
INHALATION/MOUSE LC50 6g/M/2H

WASTE DISPOSAL

Procedure- At this time, this material or its container would not be considered hazardous waste. Dispose liquid and contaminated solids in accordance with local, state, and federal regulations.

REGULATORY INFORMATION

TRANSPORTATION CLASSIFICATION

USDOT Hazard Class.....NONREGULATED

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 parts 302&355. 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.