

**CERATECH COATINGS CORPORATION**  
**Fort Worth, Texas**

**MATERIAL  
SAFETY  
DATA SHEET**

**Health Emergency**                      **888-686-1232**  
**Spill Emergency**                      **888-686-1232**

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**Product Identification**

**Poly Coat 5050**

MSDS date    2 / 18 / 97

Supersedes    New

<b>Ceratech Hazard Rating</b>		<b>Scale</b>
Health	2	4 = Extreme
Fire	0	3 = High
Reactivity	0	2 = Moderate
Special	-	1 = Slight
		0 = Insignificant

**Component Information**

<b>NO.</b>		<b>AMT. (%)</b>
1	Modified Urethane polymer.....	31
2.	Water.....	62
3.	Proprietary.....	7

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**EMERGENCY RESPONSE INFORMATION**

**First Aid Procedures**

- Inhalation -**                      Move subject to fresh air.
- Eye Contact-**                      Flush eyes with a large amount of water for at least 15 minutes.  
Consult a physician if irritation persists.
- Skin Contact-**                      Wash affected skin areas thoroughly with soap and water.  
Consult a physician if irritation persists.
- Ingestion-**                          Contact physician at once.

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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.

**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

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## 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

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## 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.

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## 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.