



FOR EMERGENCY

CALL: (415) 726-0551

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Material Number: 2500  
Product Name: ECO-THERM ELASTOMERIC  
Chemical Family: Acrylic Polymer in Water  
VOC: <50g/L

The Ultimate Coatings Company  
2801-B Vassar Street  
Reno, NV 89502  
1-800-226-9180

### 2. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Liquid  
**Color:** Beige  
**Odor:** Ammonia  
**pH:** 9 - 9.8  
**Freezing Point:** 0 °C (32 °F) similar to water  
**Boiling Point/Range:** 100 °C (212 °F) similar to water  
**Flash Point:** Not applicable (water based product), however, solid material will support combustion if water has been evaporated.  
**Lower Explosion Limit:** not applicable

**Upper Explosion Limit:** not applicable  
**Vapor Pressure:** 17 mmHg @ 20 °C (68 °F) similar to water  
**Viscosity, Dynamic:** 10,000 cP

**Potential Health Effects**  
**Primary Routes of Entry:** Skin contact, Eye contact, Ingestion, Inhalation  
**Medical Conditions Aggravated by Exposure:** Skin disorders, Respiratory disorders, Eye disorders

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### NFPA 704M Rating

Health 1  
Flammability 1  
Reactivity 0  
Other  
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

#### HMIS Rating

Health 1\*  
Flammability 1  
Physical Hazard 0  
\* = Chronic Health Hazard

#### Hazardous Components

Weight %	Components	CAS-No.
10 - 20%	Limestone	1317-65-3
5 - 10%	Titanium Dioxide (Rutile)	13463-67-7
1 - 5%	Zinc Oxide	1314-13-2
1 - 5%	Propylene Glycol	57-55-6
0.1 - 1%	1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-	1897-45-6
0.1204%	Crystalline Quartz Silica	14808-60-7

*The method of hazard communication for The Ultimate Coatings Company LLC is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by The Ultimate Coatings Company LLC as a customer service.*

### 4. HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

#### Acute Inhalation

**For Component:** Limestone  
Causes respiratory tract irritation with symptoms of coughing, sore throat and runny nose. May cause mechanical irritation.

**For Component:** Titanium Dioxide (Rutile)  
May cause mechanical irritation.

**For Component:** Zinc Oxide  
May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

**For Component:** 1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-. Expected to be highly toxic by inhalation.

**For Component:** Crystalline Quartz Silica  
May be harmful by inhalation. May cause mechanical irritation.

#### Acute Skin

**For Component:** Limestone  
Causes irritation with symptoms of reddening, itching, and swelling. May cause mechanical irritation.

**For Component:** Titanium Dioxide (Rutile)  
Not expected to be irritating.

**For Component:** Zinc Oxide  
May cause mechanical irritation.

**For Component:** Crystalline Quartz Silica  
May cause mechanical irritation.

#### Acute Eye

**For Component:** Limestone  
Causes irritation with symptoms of reddening, tearing, stinging, and swelling. May cause mechanical irritation.

**For Component:** Titanium Dioxide (Rutile)  
Not expected to be irritating.

**For Component:** Zinc Oxide  
May cause mechanical irritation.

**For Component:** Crystalline Quartz Silica  
May cause mechanical irritation.

#### Acute Ingestion

**For Component:** Limestone  
Slightly toxic by ingestion.

**For Component:** Titanium Dioxide (Rutile)  
Not expected to be harmful if swallowed.

**For Component:** Zinc Oxide  
Not expected to be harmful if swallowed.

**For Component:** Crystalline Quartz Silica  
Not expected to be harmful if swallowed.

#### Acute Effects of Exposure

**For Component:** Crystalline Quartz Silica  
Exposure to Silica, Quartz can cause a very serious lung disease called Silicosis with cough, shortness of breath, and changes in chest x-ray. The earliest symptoms of silicosis may include: Shortness of breath, coughing, wheezing, fatigue, chest pain, loss of appetite and fever.

#### Carcinogenicity

1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-  
IARC - Overall evaluation: 2B Possible carcinogen.

Crystalline Quartz Silica NTP - Hazard designation:  
Known carcinogen. IARC - Overall evaluation: 1  
Carcinogen. Human carcinogen. IARC - Overall  
evaluation: 1 Human carcinogen.

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## 5. FIRST AID MEASURES

### Eye Contact

In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

### Skin Contact

In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops and persists.

### Inhalation

If inhaled, remove to fresh air. Get medical attention if irritation develops.

### Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

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## 6. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** All extinguishing media are suitable.

### Special Fire Fighting Procedures

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize risk of rupture.

### Unusual Fire/Explosion Hazards

Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

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## 7. ACCIDENTAL RELEASE MEASURES

### Spill and Leak Procedures

Cleanup personnel must use appropriate personal protective equipment. Cover spill with inert material (e.g., dry sand or earth) and collect for proper disposal.

## 8. HANDLING AND STORAGE

### Storage Temperature:

Minimum: 1 °C (33.8 °F)

Maximum: 49 °C (120.2 °F)

### Handling/Storage Precautions

Avoid breathing dust, vapor, or mist. Avoid contact with skin or clothing. Avoid contact with eyes. Use only with adequate ventilation/personal protection.

Wash thoroughly after handling. Keep container closed when not in use.

Protect from freezing.

### Further Info on Storage Conditions

None known.

## 9. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Titanium Dioxide (Rutile) (13463-67-7)

U.S. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 10 mg/m<sup>3</sup>

U.S. OSHA Table Z-1 Limits for Air Contaminants

(29 CFR 1910.1000) PEL: 15 mg/m<sup>3</sup> (Total dust.)

U.S. ACGIH Threshold Limit Values

Hazard Designation: Group A4 Not classifiable as a human carcinogen. Zinc Oxide (1314-13-2)

U.S. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 2 mg/m<sup>3</sup>  
(Respirable fraction.)

U.S. ACGIH Threshold Limit Values

Short Term Exposure Limit (STEL): 10 mg/m<sup>3</sup>  
(Respirable fraction.)

U.S. OSHA Table Z-1 Limits for Air Contaminants

(29 CFR 1910.1000) PEL: 5 mg/m<sup>3</sup> (Fume.)

U.S. OSHA Table Z-1 Limits for Air Contaminants

(29 CFR 1910.1000) PEL: 5 mg/m<sup>3</sup> (Respirable fraction.)

U.S. OSHA Table Z-1 Limits for Air Contaminants

(29 CFR 1910.1000) PEL: 15 mg/m<sup>3</sup> (Total dust.)  
Propylene Glycol (107-21-1)

U.S. ACGIH Threshold Limit Values

Ceiling Limit Value: 100 mg/m<sup>3</sup> (Aerosol)

U.S. ACGIH Threshold Limit Values

Hazard Designation: Group A4 Not classifiable as a human carcinogen. Crystalline Quartz Silica (14808-60-7)

U.S. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 0.05 mg/m<sup>3</sup>  
(Respirable fraction.)

U.S. OSHA Table Z-2 (29 CFR 1910.1000)

Time Weighted Average (TWA): 10 mg/m<sup>3</sup>  
(Respirable., Divide 10 mg/m<sup>3</sup> by %  
SiO<sub>2</sub> + 2 determined from air sample analysis.)

U.S. OSHA Table Z-2 (29 CFR 1910.1000)

Time Weighted Average (TWA): 30 mg/m<sup>3</sup>  
(Total dust., Divide 30 mg/m<sup>3</sup> by % SiO<sub>2</sub> + 2  
determined from air sample analysis.)

U.S. ACGIH Threshold Limit Values

Hazard Designation: Group A2 Suspected human carcinogen. Industrial Hygiene/Ventilation Measures General dilution and local exhaust as necessary to control airborne vapors, mists, dusts and thermal decomposition products below appropriate airborne concentration standards/guidelines.

### Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment.

### Hand Protection

Permeation resistant gloves.

### Eye Protection

Splash proof goggles.

### Skin and Body Protection

Wear cloth work clothing including long pants and long-sleeved shirts.

### Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available.

## 10. STABILITY AND REACTIVITY

Hazardous Reactions: Hazardous polymerization does not occur.

Stability: Stable

Materials to Avoid: None known

Hazardous Decomposition Products: By Thermal

Decomposition: Acrylic monomers, other potentially toxic fumes

## 11. DISPOSAL CONSIDERATIONS

### Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

### Empty Container Precautions

Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning.

## 14. TRANSPORTATION INFORMATION

### Land Transport (DOT)

Non-Regulated

### Air Transport (ICAO/IATA)

Non-Regulated

### Sea Transport (IMDG)

Non-Regulated

## 15. REGULATORY INFORMATION

### United States Federal Regulations

OSHA Hazcom Standard Rating: Hazardous

U.S. Toxic Substances Control Act: Listed on the TSCA Inventory.

U.S. EPA CERCLA Hazardous Substances (40 CFR 302):

Components  
Zinc Oxide included in the regulation but with no data values. See regulation for further details.  
SARA Section 311/312 Hazard Categories:  
Acute Health Hazard, Chronic Health Hazard

U.S. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):

Components  
None

U.S. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier

### Notification Required:

Components  
Zinc Oxide  
Propylene Glycol  
1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-

U.S. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

If discarded in its purchased form, this product would not be a hazardous waste either by listing or

by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

### State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

### New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists:

<u>Weight %</u>	<u>Components</u>	<u>CAS-No.</u>
0.1-1%	Ammonium Hydroxide	1336-21-6

### California Prop. 65:

Warning! This product contains chemical(s) known to the State of California to be Carcinogenic.

<u>Weight %</u>	<u>Components</u>	<u>CAS-No.</u>
0.1-1%	1,3-Benzenedicarbonitrile,	
	2,4,5,6-tetrachloro-	1897-45-6
<0.5%	Crystalline Quartz Silica	14808-60-7
0.1-1%	Ammonium Hydroxide	1336-21-6

## 16. EMERGENCY OVERVIEW

*Color: Beige • Form: Liquid • Odor: Ammonia*

May cause eye, skin, and respiratory tract irritation. Use cold water spray to cool exposed containers to minimize the risk of rupture. Harmful if inhaled. Harmful if swallowed. May affect nervous system. May cause damage to kidneys, liver, and lungs, if chronically ingested or inhaled.

*This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of The Ultimate Coatings Company LLC. The information in this MSDS relates only to the specific material designated herein. The Ultimate Coatings Company LLC assumes no legal responsibility for use of or reliance upon the information in this MSDS.*