



SAFETY DATA SHEET

Section 1 - Product & Company Identification

**The Ultimate Coatings
Company LLC**
2801-B Vassar Street
Reno, NV 89502

www.ultimatecoatings.net
Information Telephone: (800) 226-9180
Emergency Telephone: (415) 726-0551

Product Code: **2500**
Product Name: **ECO-THERM ELASTOMERIC**
Chemical Family: **Acrylic Polymer in Water**
VOC: **<35g/L**

Section 2 - Physical and Chemical Properties

Form: Liquid
Color: White
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

Section 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 Safety Data Sheets. HMIS and NFPA ratings are provided by The Ultimate Coatings Company LLC as a customer service.

Section 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: 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.
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.

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.

Section 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.

Section 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.

Section 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.

Section 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.

Section 9 – Exposure Controls

U.S. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 10 mg/m³

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

(29 CFR 1910.1000) PEL: 15 mg/m³ (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/m³ (Respirable fraction.)

U.S. ACGIH Threshold Limit Values

Short Term Exposure Limit (STEL): 10 mg/m³ (Respirable fraction.)

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

(29 CFR 1910.1000) PEL: 5 mg/m³ (Fume.)

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

(29 CFR 1910.1000) PEL: 5 mg/m³ (Respirable fraction.)

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

(29 CFR 1910.1000) PEL: 15 mg/m³ (Total dust.) Propylene Glycol (107-21-1)

U.S. ACGIH Threshold Limit Values

Ceiling Limit Value: 100 mg/m³ (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/m³ (Respirable fraction.)

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

Time Weighted Average (TWA): 10 mg/m³ (Respirable., Divide 10 mg/m³ by % SiO₂ + 2 determined from air sample analysis.)

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

Time Weighted Average (TWA): 30 mg/m³ (Total dust., Divide 30 mg/m³ by % SiO₂ + 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.

Section 10 – Stability and Reactivity

Hazardous Reactions

No Hazardous polymerization

Stability

Stable

Materials to Avoid

None known

Hazardous Decomposition Products

By Thermal Decomposition: Acrylic monomers, other potentially toxic fumes

Section 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.

Section 12 – Transportation Information

Land Transport (DOT)

Non-Regulated

Sea Transport (IMDG)

Non-Regulated

Air Transport (ICAO/IATA)

Non-Regulated

Section 13 – 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 SDS 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:

Weight %	Components	CAS-No.
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.

Weight %	Components	CAS-No.
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

Section 14 – Emergency Overview
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Color: White • Form: Liquid • Odor: Ammonia

May cause eye, skin, and respiratory tract irritation. Use cold water spray to cool fire-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.

Section 15 – Other Information

Training Advice	Read and follow manufacturers recommendations
Revision Date	1/22/2019
Revision #	2.0

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