



SAFETY DATA SHEET

THERMO-SEAL® 1500M

SECTION 1. IDENTIFICATION

Product Name	THERMO-SEAL 1500M
Chemical Family	Water-based Acrylic Coating
Recommended Use/Restrictions	Coating over metal surfaces on a wide range of substrates, most commonly used as metal roof renewal coating
Manufacturer	The Ultimate Coatings Company, LLC 2801-B Vassar Street Reno, NV 89502
Emergency Phone	775.737.2332
Information Only	800.226.9180

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin sensitization: Category 1
Carcinogenicity: Category 1A

GHS Label Elements

Hazard pictograms:



Signal word:

Danger

Hazard statements:

May cause an allergic skin reaction
May cause cancer (inhalation)

Precautionary statements:

Prevention:

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Avoid breathing vapors
Contaminated work clothing must not be allowed out of the workplace
Wear eye and face protection, protective gloves and clothing.

Response:

IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove and wash contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents and container in accordance with existing federal, state, and local environmental control laws.

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: No data available

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components

Weight Percent	Components	CAS-No.
0.01 – 0.1%	2-n-Octyl-4-isothiazolin-3-one	26530-20-1
0.1 - 1%	Crystalline Quartz Silica	14808-60-7

The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

Most Important Symptom(s)/Effect(s)

Acute: May cause allergic skin reaction with symptoms of reddening, itching, swelling, and rash.

Eye Contact

In case of contact, flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention if irritation develops or persists. Continue rinsing.

Skin Contact

In case of skin contact, immediately remove contaminated clothing and shoes and wash affected areas with soap and water for at least 15 minutes. Get medical attention if irritation develops and persists.

Inhalation

If inhaled, remove to fresh air and keep in a position comfortable for breathing. Get medical attention if breathing is affected.

Ingestion

If ingested, rinse mouth thoroughly. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.

SECTION 5. FIREFIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, foam, dry powder, sand, water spray

Unsuitable Extinguishing Media No Data Available

Fire Fighting Procedure

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 the risk of rupture.

Hazardous Decomposition Products

By Thermal Decomposition: carbon monoxide, carbon dioxide, Acrylic monomers, other potentially toxic fumes

Unusual Fire/Explosion Hazards

Material can splatter above 100 °C/212 °F. Dried product can burn. Product is not explosive.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures

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

SECTION 7. HANDLING AND STORAGE

Handling/Storage Precautions

Do not breath vapors. Avoid contact with skin or clothing. Avoid contact with eyes. Use only with good ventilation in process area to prevent formation of vapor. Wash thoroughly after handling.

Storage Period:

12 Months

Storage Temperature

Minimum: 1°C (33.8°F)

Maximum: 49°C (120.2°F)

Storage Conditions None known

Substances to Avoid None known

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

2-n-Octyl-4-isothiazolin-3-one (26530-20-1)

ACGIH (remark)

OELs not established

US OSHA (remark)

OELs not established

Crystalline Quartz Silica (14808-60-7)

US ACGIH Threshold Limit Values

Time Weighted Average (TWA): 0.025 mg/m³ (Respirable fraction)

US OSHA Table Z-3 (29 CFR 1910.1000)

Time Weighted Average (TWA): 2.4 millions of particles per cubic foot of air (Respirable) The exposure limit is calculated from the equation, $250/(\%SiO_2+5)$, using a value of 100% SiO₂. Lower percentages of SiO₂ will yield higher exposure limits.

US OSHA Table Z-3 (29 CFR 1910.1000)

Time Weighted Average (TWA): 0.1 mg/m³ (Respirable) The exposure limit is calculated from the equation, $10/(\%SiO_2+2)$, using a value of 100% SiO₂. Lower percentages of SiO₂ will yield higher exposure limits.

US OSHA Table Z-3 (29 CFR 1910.1000)

Time Weighted Average (TWA): 0.3 mg/m³ (Total dust) The exposure limit is calculated from the equation, $30/(\%SiO_2+2)$, using a value of 100% SiO₂. Lower values of % SiO₂ will give higher exposure limits.

US ACGIH Threshold Limit Values

Hazard Designation: Group A2 Suspected human carcinogen

Any component which is listed in section 3 and is not listed in this section does not have a known ACGIH TLV, OSHA PEL or supplier recommended occupational exposure limit.

Industrial Hygiene/Ventilation Measures

When handling this product, provide proper ventilation of the work area.

Respiratory Protection

In case of mist, spray or aerosol exposure, wear NIOSH-approved respiratory protection and protective suit.

Hand Protection

Wear permeation resistant gloves: Neoprene, polyethylene, nitrile/butadiene rubber, PVC or vinyl gloves.

Eye Protection

Chemical safety goggles or safety glasses with side-shields.

Skin Protection

Wear as appropriate: disposable one-piece overall with long sleeves, integral hood, impervious protective clothing.

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 9. PHYSICAL AND CHEMICAL PROPERTIES

State of Matter:	liquid
Color:	Various
Odor:	Mild odor
Odor Threshold:	No Data Available
pH:	No Data Available
Boiling Point:	Variable
Melting Point:	Variable
Flash Point:	Non-combustible
Relative Evaporation Rate:	≤ 1
Vapor Pressure:	>17 mmHg @ 20 °C (68 °F) similar to water
Relative Vapor Density:	≤ 1 (air = 1)
Relative Density:	≤ 1 (water = 1)
Specific Gravity:	No Data Available
Solubility in Water:	Dilutable
Partition Coefficient: n-octanol/water:	No Data Available
Auto-ignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Dynamic Viscosity:	No Data Available
Kinematic Viscosity:	No Data Available
Bulk Density:	No Data Available
VOC Content:	≤ 50 g/l
Percent Volatile:	≤ 25%

SECTION 10. STABILITY AND REACTIVITY

Hazardous Reactions

Hazardous polymerization does not occur.

Chemical Stability

Stable

Possibility of Hazardous Reactions

None known

Conditions to Avoid

Avoid temperatures above 177°C (350°F) the onset of polymer decomposition

Incompatible Materials

None known

Hazardous Decomposition Products

Acrylic monomers, other monomer vapors

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity Data for THERMO-SEAL 1500M

Respiratory or skin sensitization – may cause allergic skin reaction

Carcinogenicity – May cause cancer (inhalation)

Toxicity Data for Crystalline Quartz Silica

Acute Oral Toxicity

LD50: 500 mg/kg (rat)

Mutagenicity

Genetic Toxicity in Vitro:

Ames: Negative results were reported in various in vitro studies. (Salmonella typhimurium, Metabolic Activation: with/without)

Genetic Toxicity in Vivo:

Sister Chromatid Exchange: ambiguous (hamster) ambiguous

Carcinogenicity

rat, Male/Female, inhalation, 2 years, 6 hrs/day 5 days/week, positive

SECTION 12. ECOLOGICAL INFORMATION

No data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

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

Container Precautions

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

SECTION 14. TRANSPORT INFORMATION

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID). 14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

SECTION 15. REGULATORY INFORMATION

United States Federal Regulations

US. Toxic Substances Control Act: Listed on the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components:

SARA Section 311/312 Hazard Categories:

Acute Health Hazard

Chronic Health Hazard

US. 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

US. 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:

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

Under RCRA, it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste.

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.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
>=1%	Water	7732-18-5
>=1%	Acrylic Polymer	
30 - 40%	Limestone	1317-65-3
1 - 5%	Titanium dioxide (Rutile)	13463-67-7
0.1 - 1%	Crystalline Quartz Silica	14808-60-7

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

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
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0.1 - 1%	Ammonium Hydroxide	1336-21-6
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0.1 - 1%	Crystalline Quartz Silica	14808-60-7
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Massachusetts Right to Know Extraordinarily Hazardous Substance List:

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
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0.1 - 1%	Crystalline Quartz Silica	14808-60-7
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California Prop. 65:

Warning! This product contains chemical(s) known to the State of California to be Carcinogenic. Developmental toxin. Female reproductive toxin. Male reproductive toxin.

<u>Weight percent</u>	<u>Components</u>	<u>CAS-No.</u>
5 - 5%	Titanium dioxide (Rutile)	13463-67-7

0.1 - 1%	Crystalline Quartz Silica	14808-60-7
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<0.1%	Carbon Black	1333-86-4
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Based on information provided by our suppliers, this product is considered "DRC Conflict Free" as defined by the SEC Conflict Minerals Final Rule (Release No. 34-67716; File No. S7-40-10; Date: 2012-08-22).

SECTION 16. OTHER INFORMATION

The method of hazard communication for The Ultimate Coatings Company, LLC is comprised of Product Labels and Safety Data Sheets.

Telephone: 800-226-9180

Version Date: 06/22/2016

SDS Version: 1.1

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