

1. IDENTIFICATION

Product identifier

Product Name UDT Metallics

Other means of identification

SKU(s) 493870, 493871, 493872, 493873, 493874, 493875, 493876, 493877, 493878, 493879, 493880, 493881

Manufacturer Address

ULTRA DURABLE Technologies
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Waite Park, MN 56387
320-258-2266

Emergency Telephone

Chemtrec within the United States 1-800-424-9300
Chemtrec within Canada 1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Skin Irritant. 2 H315 Causes skin irritation.

Eye Irritant 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.



Signal word: Warning

Hazard-determining components of labeling: Ferric oxide

Hazard Statements

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

Precautionary Statements

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area. Wear protective gloves.

Wear eye protection / face protection. Wash thoroughly after handling.

If in Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice

If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell.
If on Skin	Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If Skin Irritation Occurs, get medical advice/attention. If eye irritation persists: Get medical advice
Storage considerations	Store locked up. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national/international regulations.
Unknown Acute Toxicity	50 percent of the mixture consists of ingredient(s) of unknown toxicity.

Classification System:**NFPA Ratings (scale 0 - 4)**

Health = 1

Fire = 0

Reactivity = 0


HMIS – Ratings (scale 0 – 4)

HEALTH	1	Health =1
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

Other Hazards: None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Mixtures**Description** Mixture of substances listed below with nonhazardous additions.

<i>Dangerous Components:</i>		
CAS: 12001-26-2	Mica	40-60%
CAS: 1309-37-1	Ferric oxide	20-40%
RTECS: NO 7400000	 Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	

4. FIRST AID MEASURES

Description of First Aid Measures

After Inhalation	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
After Skin Contact	Immediately wash with water and soap and rinse thoroughly.

After Eye Contact Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

After Swallowing If swallowed and symptoms occur, consult a doctor.

Information for Doctor:

Most important symptoms and effects No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing agents CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture No further relevant information available.

Protective equipment As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective equipment. Keep unprotected persons away.

Environmental Precautions

Do not allow to enter sewers/ surface or ground water.

Methods and Material for Containment and Cleaning up

Ensure adequate ventilation. Avoid the formation of dust

Use the appropriate tools to collect the material and dispose of it in an approved waste disposal container. Dispose contaminated material as waste according to section 13.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling No special precautions are necessary if used correctly.

Information about protection against explosions and fires No special measures required.

Storage:

Requirements to be met by storerooms and receptacles Store in a cool, dry place.

Information about storage in one common storage facility Not required.

Further information about storage conditions Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional Information About Design of Technical Systems: No further data; see section 7.

Control Parameters

Components with Occupational Exposure Limits:

12001-26-2 Mica

PEL	Long-term value: 20 mppcf ppm <1% crystalline silica
REL	Long-term value: 3* mg/m ³ *respirable dust; containing < 1% quartz
TVL	Long-term value: 3* mg/m ³ *as respirable fraction

1309-37-1 Ferric Oxide

PEL	Long-term value: 10* 15** 5*** mg/m ³ *Fume; Rouge: **Total dust, ***respirable
REL	Long-term value: 5 mg/m ³ Dust & fume, as Fe
TLV	Long-term value: 5* mg/m ³ *as respirable fraction

Additional Information: The lists that were valid during the creation were used as basis.

Exposure Controls

General Protective

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Personal Protective Equipment:

Breathing Equipment

Respiratory protection is not required unless handling of the material produces nuisance airborne concentrations.

Protection of Hands

Protective gloves

Eye Protection

Safety glasses

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance:

Form:	Powder
Color:	No Data Available
Odor:	Odorless
Odor Threshold:	Not Determined
pH-value:	Not Applicable
Change in Condition	
Melting Point/Melting Range:	Not Determined
Boiling Point/Boiling Range:	Not Determined
Flash Point:	Not Applicable
Flammability (solid, gaseous):	Not Determined
Ignition Temperature:	
Decomposition Temperature:	Not Determined

Auto Igniting:	Product is not self-igniting
Danger of Explosion:	Product does not present an explosion hazard
Explosion Limits:	
Lower:	Not Determined
Upper:	Not Determined
Vapor Pressure:	Not Applicable
Density:	
Relative Density:	Not Determined
Vapour Density	Not Applicable
Evaporation Rate:	Not Applicable
Solubility in/Miscibility with Water:	Soluble
Partition Coefficient (n-octanol/water):	Not Determined
Viscosity:	
Dynamic:	Not Applicable
Kinematic:	Not Applicable
Other Information:	No further relevant information available.

10. STABILITY AND REACTIVITY

Reactivity	No further relevant information available.
Chemical Stability	Stable under normal conditions.
Thermal Decomposition / Conditions to be Avoided	No decomposition if used according to specifications.
Possibility of Hazardous Reactions	No dangerous reactions known.
Conditions to Avoid	No further relevant information available.
Incompatible Materials	Strong acids, Peroxides, Chloroformates
Hazardous Decomposition Products	No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Primary Irritant Effect

On the Skin	Irritant to skin and mucous membranes.
In the Eyes	Irritating effect. Causes serious eye irritation.

Carcinogenic Categories

IARC (International Agency for Research on Cancer)

- Group 1 - Carcinogenic to humans
- Group 2A - Probably carcinogenic to humans
- Group 2B - Possibly carcinogenic to humans
- Group 3 - Not classifiable as to its carcinogenicity to humans
- Group 4 - Probably not carcinogenic to humans

1309-37-1	Ferric oxide	3
NTP (National Toxicology Program)		
None of the ingredients are listed.		
OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients are listed.		

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic Toxicity No further relevant information available.

Persistence and Degradability No further relevant information available.

Behavior in Environmental Systems

Bioaccumulative Potential No further relevant information available.

Mobility in Soil No further relevant information available.

Additional Ecological Information:

General Notes Not known to be hazardous to water.

Results of PBT and vPvB Assessment

PBT: Not applicable.

vPvB: Not applicable.

Other Adverse Effects No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned Packaging

Recommendation Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

UN-Number

DOT, ADR, ADN, IMDG, IATA Non-Regulated Material

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA Non-Regulated Material

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Class Non-Regulated Material

Packing group

DOT, ADR, IMDG, IATA Non-Regulated Material

Environmental hazards: Not applicable.

Special precautions for user Not applicable.

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

UN "Model Regulation": -

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara**Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

1309-37-1	Ferric oxide
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Proposition 65

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· **Carcinogenic categories**

EPA (Environmental Protection Agency)

None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH)

1309-37-1	Ferric oxide	A4
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NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients are listed.

National Regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

State Right to Know

CAS: 12001-26-2	Mica	40-60%
CAS: 1309-37-1	Ferric oxide	20-40%
RTECS: NO 7400000	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	
All ingredients are listed.		

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Preparation Date 01-Jan-2023
Revision Date 11-Jun-2024
Revision Note General formatting updates

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· * **Data compared to the previous version altered.**

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.

End of Safety Data Sheet