ULTRA DURABLE TECHNOLOGIES
Manufacturing Innovative Coatings
(800) 722-2998 ULTRADT.com

SAFETY DATA SHEET

Revision Date 19-January-2026
Version 1.1

1. IDENTIFICATION

Product identifier
Product Name Safety Red UltraColor E/P

Other means of identification
Part Number(s) 297404

Recommended use of the chemical and restrictions on use
Recommended use Pigment for polyurethane and epoxy based coatings; for professional use only.

Uses advised against Not intended for consumer use.

Details of the supplier of the safety data sheet
Manufacturer Address
Ultra Durable Technologies
355 6th Ave N
Waite Park, MN 56387
320-258-2266
Ultradt.com

Emergency telephone number
Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification
This material is considered non-hazardous by the 2024 OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Signal Word **None**

Hazard statements

Precautionary Statements – Prevention

Precautionary Statements – Response

Precautionary Statements – Storage

Precautionary Statements – Disposal

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	% By Weight
Titanium dioxide	13463-67-7	< 5

Trade Secret statement (OSHA 1910.1200(i)) Specific chemical identities and concentrations for one or more listed chemicals are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

4. FIRST AID MEASURES

Description of first aid measures
Eye contact Immediately flush eyes with running water for at least 15 minutes, lifting upper and lower eyelids. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists seek medical attention.

Skin Contact	Wash exposed skin with soap and water and rinse thoroughly. Seek medical attention if skin irritation or rash develops.

Inhalation	Remove victim to fresh air and keep comfortable for breathing. If necessary, use artificial respiration (CPR) to support vital functions. If respiratory irritation develops, seek medical attention.
Ingestion	Rinse mouth with water and drink plenty of water afterwards. Do NOT induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Immediately seek medical attention.

Most important symptoms and effects, both acute and delayed
Pre-existing skin conditions may be aggravated with prolonged or repeated exposure.

Immediate medical attention and special treatment, if necessary
No information available

Special Instructions for Physicians
Treat symptomatically.
Skin may be discolored by pigment. Wash any areas of interest with soap and water before diagnosing.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Chemical foam. Carbon dioxide. Powder. Fog. Sand.

Unsuitable extinguishing media
Water stream

Specific hazards arising from the chemical
No information available

Protective Equipment and Precautions for Firefighters
Evacuate area and move all non-emergency personnel away from and upwind of fire.
Eliminate all ignition sources if safe to do so. Exercise caution when fighting any chemical fire. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation, especially in confined areas.
Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene
Avoid breathing fumes, vapor, or spray.
Material can create slippery conditions.

Environmental Precautions
Avoid release to the environment. Do not allow product to enter drains, sewers, public water, surface water, or groundwater. If contact is made, notify authorities.

Methods and materials for containment and cleaning up
Use personal protective equipment as required. Stop flow of material if able to do so safely. Contain discharged material. Absorb spill using absorbent, non-combustible material, such as earth, sand, or vermiculite. Take up mechanically to an approved disposal container. Dispose of in accordance with local, state, and federal regulations. Scrub up residues with detergent-water mix and allow to air dry. Apply sand or other inert granular material to improve traction.

7. HANDLING AND STORAGE

Precautions for safe handling
Wear appropriate personal protective equipment – gloves, safety glasses, appropriate clothing. Wash hands and exposed skin thoroughly after use. Practice good industrial hygiene when using product. Ensure adequate ventilation of the workstation. If the workplace threshold limit value is exceeded and/or the substance is released, use appropriate respiratory protection. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers.

Contaminated clothing should not be allowed out of the workplace. Wash before reuse or discard.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep in a dry, cool, well-ventilated place. Keep container closed when not in use.

Incompatible materials

Strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

The use of local exhaust ventilation is recommended. Eyewash stations, chemical showers recommended.

Exposure Guidelines

Chemical Name	PEL (USA)	OSHA TLV	NIOSH
Titanium Dioxide	15 mg/m^3	10 mg/m^3	Not established

Individual protection measures, such as personal protective equipment

Eye/Face Protection Protective eyewear (chemical goggles). Face shield if splash hazard exists.

Skin and Body Protection Resistant gloves. Wear protective clothing and shoes. Wash hands after use.

Respiratory Protection If adequate ventilation is not available, wear appropriate respirator for specific circumstances and with exposure guidelines in mind.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Opaque Red
Odor	Mild, sweet
Melting point	No information
Boiling point	>199°C (>390°F)
Flammability	Not applicable
Upper flammability limit	No information
Lower flammability limit	No information
Flash point	204°C (399.2°F)
Autoignition Temperature	No information
Decomposition temperature	No information
pH	6
Dynamic Viscosity	3,300 cP (25°C / 77°F)
Kinematic Viscosity	No information
Solubility	Slightly Soluble (water)
Partition coefficient n-octanol/water (Log Pow)	No information
Vapor pressure	<0.001 mm Hg
Density	8.89 – 9.29 lb/gal
Relative Density	No information
VOC	0.01 lb/gal

10. STABILITY AND REACTIVITY

Reactivity

This product is non-reactive under normal conditions of use, storage, and transport.

Chemical Stability

Stable under normal conditions.

Hazardous Reactions

Reacts with strong oxidizing agents.

Toxic fumes if heated above decomposition point.

Conditions to avoid
No information available

Incompatible materials
Strong oxidizers.

Hazardous decomposition products
Thermal decomposition products include oxides of carbon and possible toxic fumes.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation Inhalation of gas/mist/vapor

Eye Contact Liquid material splash or gas/vapor/mist

Skin Contact Liquid material splash

Ingestion Liquid material

Symptoms related to physical, chemical, and toxicological characteristics
No information available

Delayed and Immediate effects, including chronic effects from short- and long-term exposure
No information available

Numerical Values of Toxicity – Component Information

Chemical Name	Oral LD_{50}	Dermal LD_{50}	Inhalation LC_{50}
Titanium Dioxide	> 5,000 mg/kg (Rat)	> 5,000 mg/kg (Rabbit)	> 6.8 mg/L (Rat)

Skin Corrosion/Irritation Not classified
Serious Eye Damage/Irritation Not classified
Respiratory or Skin Sensitization Not classified
Germ Cell Mutagenicity Not classified
Carcinogenicity Not classified
Reproductive Toxicity Not classified
STOT – Single Exposure Not classified
STOT – Repeated Exposure Not classified
Aspiration Hazard Not classified

Numerical Values of Toxicity – Product Information
The following values are calculated based on chapter 3.1 of the GHS document

Acute Toxicity	Oral LD_{50}		Dermal LD_{50}	Inhalation LC_{50}
Safety Red UltraColor E/P	> 5,000 mg/kg	> 5,000 mg/kg	> 6.8 mg/L	

Acute Toxicity (oral) Not classified
Acute Toxicity (dermal) Not classified
Acute Toxicity (inhalation) Not classified

Interactive Effects
Pre-existing skin conditions may be aggravated. Repeated or prolonged exposure may exaggerate irritation. Pigments may stain skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is not considered harmful to aquatic organisms or to cause long-term adverse effects on the environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Titanium Dioxide	EC_{50} >100 mg/L (Pseudokirchnerella subcapitata, 72h) EC_{50} >10,000 mg/L (Skeletonema costatrum, 72h) NOEC >100 mg/L (Pseudokirchnerella subcapitata, 3d) NOEC >5,600 mg/L (Skeletonema cosatrum, 3d)	LC_{50} >1,000 mg/L (Fish, 96h) LC_{50} >10,000 mg/L (Marine species, 96h)	EC_{50} >1,000 mg/L (Daphnia sp, 48h)

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Persistence and Degradability
No information available

Bioaccumulation Potential

Chemical Name	Partition Coefficient n-ocatnol/water (Log P_{ow})
Titanium Dioxide	Not established

Assessment
Significant accumulation not expected.

Mobility in Soil
No information available

Other adverse effects
Elimination Information
No information available

Water hydrolysis
No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national, and local laws and regulations. Do not discharge product into sewer system, ground water, or bodies of water.

Contaminated Packaging Do not reuse container.

14. TRANSPORT INFORMATION

UN Number Not regulated
UN Proper Shipping Name Not applicable
Transport Hazard Class(es)
DOT Not applicable
IOMDG Not applicable
IATA Not applicable
Packing Group

DOT	Not applicable
IMDG	Not applicable
IATA	Not applicable
Environmental Hazards	None
Special Precautions for User	None

NOTE Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100-177, IMDG, IATA, EC, Canadian TDG, and United Nations TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

15. REGULATORY INFORMATION

Chemical Inventories

TSCA	All components of this product are listed on the TSCA Inventory or are exempted from listing.
DSL	All components of this product are listed on the DSL Inventory or are exempted from listing.

US Federal Regulations

SARA 313

Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations. Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No
Carcinogenicity	No
Reproductive Toxicity	No
Respiratory or Skin Sensitization	No
Germ Cell Mutagenicity	No
Serious Eye Damage/Irritation	No

US State Regulations

California Proposition 65 – This product may expose users to titanium dioxide which is known to the State of California to cause cancer and/or genetic defects and is suspected of being harmful to fertility or the unborn child, however it is non-respirable in its current form.

State Right to Know – Massachusetts, New Jersey, Pennsylvania

NFPA Hazard codes

Health	**1**
Fire	**1**
Reactivity	**0**

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

Preparation Date	04-Jun-2024
Revision Date	19-Januray-2026
Revision Note	General formatting updates; updated sections 1, 3, 8, 9, 10, 11, 12, and 15.

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