

1. IDENTIFICATION**Product identifier****Product Name** Safety Yellow UltraColor E/P**Other means of identification****Part Number(s)** 297904**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
Ultrad.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	10 - 30

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 due to 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 formation 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 Yellow
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	12,200 cP
Kinematic Viscosity	No information
Solubility	Slightly Soluble
Partition coefficient n-octanol/water (Log Pow)	No information
Vapor pressure	<0.001 mm Hg
Density	9.01 – 10.01 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 Yellow 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 costatum, 72h) NOEC >100 mg/L (Pseudokirchnerella subcapitata, 3d) NOEC >5,600 mg/L (Skeletonema costatum, 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)

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Safety Yellow UltraColor E/P	EC ₅₀ >100 mg/L (Pseudokirchnerella subcapitata, 72h) EC ₅₀ >10,000 mg/L	LC ₅₀ >1,000 mg/L (Fish, 96h) LC ₅₀ >10,000 mg/L	EC ₅₀ >1,000 mg/L (Daphnia sp, 48h)

	(Skeletonema costatum, 72h) NOEC >100 mg/L (Pseudokirchnerella subcapitata, 3d) NOEC >5,600 mg/L (Skeletonema costatum, 3d)	(Marine species, 96h)	
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Persistence and Degradability

No information available

Bioaccumulation Potential

Chemical Name	Partition Coefficient n-octanol/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-January-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