SAFETY DATA SHEET

Revision Date 18-August-2025
Version # 1.0

1. IDENTIFICATION

Product identifier
Product Name UltraColor Universal White Pigment, UltraColor Universal Executive Gray Pigment

Other means of identification
Part Number(s) 298230, 298240

Recommended use of the chemical and restrictions on use
Recommended use Pigment for urethane, epoxy, and aspartic systems

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. North
Waite Park, MN 56387
320-258-2266
Ultradt.com

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

2. HAZARDS IDENTIFICATION

Classification
This chemical is considered hazardous by the 2024 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Reproductive Toxicity	Category 2

GHS Label elements, including precautionary statements

Signal Word **Warning**

Hazard statements
Suspected of damaging fertility or the unborn child.

Precautionary Statements - Prevention
Obtain, read, and follow all safety instructions before use.
Wear protective gloves and clothing, eye protection and face protection.

Precautionary Statements – Response
If exposed or concerned, get medical advice.

Precautionary Statements – Storage
Store locked up.

Precautionary Statements – Disposal
Dispose of contents and container to an approved waste disposal site.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Titanium Dioxide	13463-67-7	60 - 80
High Molecular Polyester	N/A	1 - 5
Trimethylolpropane	77-99-6	0.1 - 1

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 Rinse thoroughly with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation develops, seek medical attention.

Skin Contact Remove contaminated clothing and wash before reuse or discard. Wash affected area thoroughly with soap and water. If irritation develops, seek medical attention.

Inhalation Remove the victim to fresh air and keep comfortable for breathing. If symptoms persist, seek medical attention.

Ingestion Rinse mouth. Drink 1-2 glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. If symptoms persist, seek medical attention.

Most important symptoms and effects, both acute and delayed
No information available

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

Special Instructions for Physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Dry chemical/powder. Carbon dioxide. Alcohol-resistant foam. Sand. Fog.

Unsuitable extinguishing media
Solid water stream may scatter and spread fire.

Specific hazards arising from the chemical
Hazardous decomposition products include irritating gases and vapors, toxic fumes, oxides of carbon and nitrogen, and ammonia.

Protective Equipment and Precautions for Firefighters
Evacuate area. 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 of aerosols and dusts. Avoid breathing dust, fumes, gas, mist, vapor, or spray.
Material can create slippery conditions.
No open flames. No sparks. No smoking.

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 appropriate disposal container. Dispose of in accordance with local, state, and federal regulations. Scrub up residues with detergent-water mix and allow to air dry.

7. HANDLING AND STORAGE

Precautions for safe handling
Wear appropriate personal protective equipment – gloves, safety glasses, appropriate clothing. Wash hands 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.
Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
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 product and empty container away from heat and sources of ignition. Take measures to prevent the buildup of electrostatic charge. Do not apply pressure to empty drums. Keep container closed when not in use.

Incompatible materials
Oxidizing agents. Heat, sources of ignition, and open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA TWA	NIOSH
Titanium Dioxide	10 mg/m^3	15 mg/m^3	Not established
High Molecular Polyester	Not established	Not established	Not established
Trimethylolpropane	Not established	Not established	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 Oil resistant impervious gloves are recommended. Appropriate body protection should be selected based on activity and possible exposure. A safety shower and eye wash fountain should be readily available.

Respiratory protection If adequate ventilation is not available, wear appropriate respirator for specific circumstances and with exposure guidelines in mind. OSHA 1910.134 or ANSI Z88.2 minimum requirements.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Opaque White to Lightly Gray
Odor	Mild, acrylic-like
Melting point	No information

Boiling point	No information
Flammability	Not applicable
Upper flammability limit	No information
Lower flammability limit	No information
Flash point	No information
Autoignition Temperature	No information
Decomposition temperature	No information
pH	No information
Dynamic Viscosity	No information
Kinematic Viscosity	No information
Solubility	No information
Partition coefficient n-octanol/water (Log Pow)	No information
Vapor pressure	No information
Density	18.5-20.5 lbs/gal (white), 14.0–16.0 lbs/gal (gray)
Relative Density	No information
VOC	< 1 g/L

10. STABILITY AND REACTIVITY

Reactivity
Stable under normal use conditions.

Chemical stability
Stable under recommended storage conditions.

Hazardous Reactions
None under normal conditions of use.

Conditions to avoid
Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials
Strong acids. Strong bases. Strong oxidizers.

Hazardous decomposition products
Thermal decomposition products include oxides of carbon and possible harmful vapors.

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)
High Molecular Polyester	2,500 mg/kg (Rat)	--	--
Trimethylolpropane	14,700 mg/kg (Rat)	--	> 0.85 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 Suspected of damaging fertility or the unborn child
STOT – Single Exposure Not classified
STOT – Repeated Exposure Not classified
Aspiration Hazard Not classified

Numerical Values of Toxicity – Product Information

Acute Toxicity	Oral LD_{50}	Dermal LD_{50}	Inhalation LC_{50}
UltraColor Universal White Pigment UltraColor Universal Executive Gray Pigment	> 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
No information available

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)
High Molecular Polyester	EC_{50} >10,000 mg/L (Scenedesmus subspicatus, 72h)	LC_{50} >1,000 mg/L (Brachydanio rerio, 96h)	EC_{50} >5,600 mg/L (Daphnia magna, 24h)
Trimethylolpropane	EC_{50} >1,000 mg/L (Pseudokirchnerella subcapitata, 72h)	LC_{50} > 1,000 mg/L (Albumus albumus, 96h)	EC_{50} >13,000 mg/L (Daphnia magna, 48h) NOEC >1,000 mg/L (Daphnia magna, 21d)

Chemical Name	Algae/aquatic plants	Fish	Crustacea
UltraColor Universal White Pigment UltraColor Universal Executive Gray Pigment	--	--	--

Persistence and Degradability
No information available

Bioaccumulation Potential

Chemical Name	Partition Coefficient n-ocatnol/water (Log P_{ow})
Titanium Dioxide	Not established
High Molecular Polyester	Not established
Trimethylolpropane	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 appliable 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 applicable
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
This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

SARA 313
Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or 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	Yes
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 chemicals including titanium dioxide which are known to the State of California to cause cancer and/or genetic defects and are suspected of being harmful to fertility or the unborn child.

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	18-August-2025
Revision Date	
Revision Note	

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