

**Revision Date** 29-April-2025

**Version # 1.1**

## 1. IDENTIFICATION

**Product identifier**

**Product Name** UDT Summer/Winter Polyurea Part A

**Other means of identification**

**Part Number(s)**

Summer Medium Tan and Mineral Gray: 234000, 234010, 234500, 234510, 234600, 234610

Winter Medium Tan and Mineral Gray: 234030, 234031, 234530, 234531, 234630, 234631

**Recommended use of the chemical and restrictions on use**

**Recommended use** Protective floor coating; 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 6<sup>th</sup> Ave. North

Waite Park, MN 56387

320-258-2266

Ultradtd.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).

Skin Irritant	Category 2
Eye Irritant	Category 2
Acute Inhalation Toxicity	Category 4

**GHS Label elements, including precautionary statements**



**Signal Word**

**Warning**

**Hazard statements:**

Causes skin irritation.

Causes serious eye irritation.

Harmful if inhaled.

**Precautionary Statements – Prevention:**

Wash hands and skin thoroughly after handling.

Wear protective gloves, eye protection, and face protection.

Avoid breathing fumes/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

**Precautionary Statements - Response:**

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, seek medical help.

Take off contaminated clothing and wash before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If irritation persists: Get medical help.

IF IHHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if symptoms persist.

**Precautionary Statements - Storage:**

Store in a well-ventilated place.

Store tightly closed.

**Precautionary Statements - Disposal:**

Dispose of contents/container in accordance with local and regional regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Weight %
Castor Oil	8001-79-4	60 - 80
Color Dispersion containing Titanium Dioxide	13463-67-7	10 - 30
Zeolite Powder	1318-02-1	1 - 5
3-glycidyl-oxypropyl-trimethoxy-silane	2530-83-8	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 eyes thoroughly with running water for at least 15 minutes, lifting upper and lower eyelids as able. Remove contact lenses if easy to do and continue rinsing. Seek medical attention if irritation persists.

**Skin Contact**

Wash skin thoroughly with soap and water after handling. Remove contaminated clothing and wash thoroughly before reuse or discard. Seek medical attention if irritation develops and persists.

**Inhalation**

Remove victim to fresh air and keep comfortable for breathing. If necessary, use artificial respiration to support vital functions. Seek medical attention.

**Ingestion**

If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

**Most important symptoms and effects, both acute and delayed**

Pre-existing skin or respiratory conditions may be aggravated

**Immediate medical attention and special treatment, if necessary**

No information available

**Special instructions for Physicians**

Treat symptomatically

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Foam. Halon. Carbon Dioxide. Dry Chemical. Class "C" extinguishers. Water

**Unsuitable extinguishing media**

No information available.

**Specific hazards arising from the chemical**

No information available

**Protective equipment and precautions for fire-fighters**

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 breathing fumes, mist, vapor, or spray.

**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 material 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 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.

**Conditions for safe storage, including any incompatibilities****Storage conditions**

Store in a cool, dry place away from direct sunlight. Store locked up. Keep container tightly closed when not in use.

**Incompatible materials**

No information available

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Engineering Controls**

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

**Exposure Guidelines**

Chemical Name	STEL	ACGIH TLV	OSHA TWA
Castor Oil	Not established	Not established	Not established
Color Dispersion containing Titanium Dioxide (Gray)	Not established	Not established	Not established
Zeolite Powder	Not established	Not established	Not established
3-glycidyl-oxypropyl-trimethoxy-silane	Not established	Not established	Not established
Dibutyltin dilaurate	0.2 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>

**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**

Gloves. Protective clothing.

**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 practices.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Liquid
Color	May be opaque tan or opaque gray
Odor	Mild, sweet
Melting point	No information
Boiling point	No information
Flammability	Not applicable
Upper flammability limit	No information
Lower flammability limit	No information
Flash point	>93.3°C/ >200°F
Autoignition Temperature	No information
Decomposition temperature	No information
pH	No information
Dynamic Viscosity	No information
Kinematic Viscosity	No information
Solubility	Insoluble
Partition coefficient n-octanol/water (Log Pow)	No information
Vapor pressure	No information
Density	9.0 lbs/gal
Relative Density	No information

## 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

None under normal conditions of use.

### Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### Incompatible materials

Strong oxidizing materials. Strong acids.

### 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 the physical, chemical, and toxicological characteristics

Skin irritation leading to rash.

Eye irritation.

Respiratory irritation leading to shortness of breath and dizziness.

### Delayed and immediate effects and also chronic effects from short- and long-term exposure

No information available

### Numerical Values of Toxicity – Component Information

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Castor Oil	--	--	--
Color Dispersion containing Titanium Dioxide (Gray)	>10,000 mg/kg (Rat)	>10,000 mg/kg (Rat)	3.43 mg/L (Rat, dust/mist)
Zeolite Powder	5,000 mg/kg (Rat)	>2,000 mg/kg (Rat)	2.4 mg/L (Rat, 1 hour)
3-glycidyl-oxypropyl-trimethoxy-silane	--	4,248 mg/kg (Rabbit)	5.3 mg/L (Rat, 4 hour, dust/mist)

**Skin Corrosion/Irritation**

May cause skin irritation that may lead to rash

**Serious Eye Damage/Irritation**

May cause serious eye irritation

**Respiratory or Skin Sensitization**

Not classified

**Germ Cell Mutagenicity**

Not classified

**Carcinogenicity**

Not classified (CAS # 13463-67-7 is listed, but non-respirable in its present form)

**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 data has been calculated using Chapter 3 of the GHS document.

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Summer/Winter Polyurea Part A	9,746 mg/kg	7,009 mg/kg	3.67 mg/L

**Acute Toxicity (oral)**

Not classified

**Acute Toxicity (dermal)**

Not classified

**Acute Toxicity (inhalation)**

May cause respiratory irritation leading to shortness of breath and dizziness

**Interactive effects**

Pre-existing skin allergies and conditions may be aggravated with exposure to the product. Repeated exposure may further exaggerate skin conditions.

Pre-existing respiratory conditions (asthma) may be aggravated with inhalation exposure to the product.

## 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
Castor Oil	--	--	--
Color Dispersion containing Titanium Dioxide (Gray)	--	--	--
Zeolite Powder	EC <sub>50</sub> = 18 mg/L (95h <i>Desmodesmus suspicatus</i> )	LC <sub>50</sub> = 1800 – 3200 mg/L (96h <i>Poecilia reticulata</i> ) LC <sub>50</sub> = 3200 – 5600 mg/L (96h <i>Oryzias latipes</i> ) LC <sub>50</sub> = 1800 mg/L (96h <i>Brachydanio rerio</i> )	EC <sub>50</sub> = 1000 – 1800 mg/L (48h <i>Daphnia magna</i> )
3-glycidyl-oxypropyl-trimethoxy-silane	--	--	--

Chemical Name	Algae/aquatic plants	Fish	Crustacea
UDT Polyurea Summer/Winter Part A	--	--	--

**Persistence and Degradability**

No information available

**Bioaccumulation Potential**

Chemical Name	Partition Coefficient n-octanol/water (Log P <sub>ow</sub> )
Castor Oil	Not established
Color Dispersion containing Titanium Dioxide (Gray)	Not established

Zeolite Powder	Not established
3-glycidyl-oxypropyl-trimethoxy- silane	-0.854

**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 regulation. Do not discharge product into sewer system.

**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 Instructions 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.

**US Federal Regulations****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	Yes - Inhalation
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No
Carcinogenicity	No
Respiratory or Skin Sensitization	No
Germ Cell Mutagenicity	No

Serious Eye Damage/Irritation

Yes

**US State Regulations**

California Proposition 65 – This product does not contain substances believed by the State of California to cause cancer, developmental, and/or reproductive harm.

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	05-Oct-2023
Revision Date	29-April-2025
Revision Note	Updated sections 1, 2, 4, 11, 14, 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