

1. IDENTIFICATION

Product identifier

Product Name UDT Tropical Polyurea Part A

Other means of Identification

Part Numbers

Medium Tan 234660
Mineral Gray 234640

Recommended use of the chemical and restrictions on use

Recommended use For Professional Use Only.
Uses advised against Consumer.

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
Ultrad.com

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

| | |
|-----------------------------------|------------|
| Serious eye damage/eye irritation | Category 1 |
| Skin Irritant | Category 1 |



Signal Word Danger

Hazard statements:

Causes severe skin burns and eye damage.

Precautionary Statements – Prevention:

Do not breathe mists.
Wash hands and affected skin thoroughly after handling.
Wear protective gloves, protective clothing, and eye protection.

Precautionary Statements – Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN: Immediately take off all contaminated clothing. Rinse with water for several minutes. Wash contaminated clothing before reuse or discard.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Get emergency medical help immediately.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical help.

Precautionary Statements – Storage:

Store locked up.

Precautionary Statements – Disposal:

Dispose of contents and container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Weight % |
|--|-------------|----------|
| Castor Oil | 8001-79-4 | 60 - 65 |
| Color Dispersion containing Titanium Dioxide | 13463-67-7 | 10 - 20 |
| Zeolite Powder | 1318-02-1 | 2 - 5 |
| Modified Oxazolidine | 145899-78-1 | 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 develops.

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.

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

Special instructions for Physicians

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

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

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 dust/fumes/gas/mist/vapor/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 |
| Modified Oxazolidine | 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 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

| | |
|----------------------------|--|
| Product Information | No information |
| Inhalation | Inhalation of gas/mist/vapor |
| Eye Contact | Liquid material splash or gas/vapor/mist |
| Skin Contact | Liquid material splash |
| Ingestion | Liquid material |

Numerical Values of Toxicity – Component Information

| Chemical Name | Oral LD ₅₀ | Dermal LD ₅₀ | Inhalation LC ₅₀ |
|---|-----------------------|-------------------------|-----------------------------|
| 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) |
| Modified Oxazolidine | > 2000 mg/kg (Rat) | -- | -- |

| | |
|--|---------------------------|
| Skin Corrosion/Irritation | Causes severe skin burns |
| Serious Eye Damage/Irritation | Causes serious eye damage |
| 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 data has been calculated using Chapter 3.1 of the GHS document.

| Chemical Name | Oral LD ₅₀ | Dermal LD ₅₀ | Inhalation LC ₅₀ |
|------------------------------|-----------------------|-------------------------|-----------------------------|
| UDT Tropical Polyurea Part A | 2,833 mg/kg | 2,931 mg/kg | 4.98 mg/L (dust/mist) |

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

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 ₅₀ = 18 mg/L (95h <i>Desmodesmus suspicatus</i>) | LC ₅₀ = 1800 – 3200 mg/L (96h <i>Poecillia reticulata</i>) LC ₅₀ = 3200 – 5600 mg/L (96h <i>Oryzias latipes</i>) LC ₅₀ = 1800 mg/L (96h <i>Brachydanio rerio</i>) | EC ₅₀ = 1000 – 1800 mg/L (48h <i>Daphnia magna</i>) |
| 3-glycidyl-oxypropyl-trimethoxy- silane | -- | -- | -- |
| Modified Oxazolidine | LC ₅₀ = 21 mg/L (72h) | LC ₅₀ = 87.5 mg/L (96h) | EC ₅₀ >100 mg/L (48h <i>Daphnia</i>) |

| 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 _{ow}) |
|---|--|
| Castor Oil | Not established |
| Color Dispersion containing Titanium Dioxide (Gray) | Not established |
| Zeolite Powder | Not established |
| 3-glycidyl-oxypropyl-trimethoxy- silane | -0.854 |
| Modified Oxazolidine | 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 regulation. Do not discharge product into sewer system.

Contaminated Packaging

Do not reuse container.

14. TRANSPORT INFORMATION

| | |
|-----------------------------------|---|
| UN Number | 1760 |
| UN Proper Shipping Name | Corrosive Liquid, n.o.s. (oxazolidinones) |
| Transport Hazard Class(es) | |
| DOT | Class 8 |
| IOMDG | Class 8 |
| IATA | Class 8 |
| Packing Group | |
| DOT | Group III |
| IMDG | Group III |
| IATA | Group III |
| Environmental Hazards | 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 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 | Yes |
| 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 | 24-June-2024 |
| Revision Date | 3-March-2025 |
| Revision Note | General formatting updates. Updated Sections 2, 3, 8, 9, 10, 11, 12, 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