

1. IDENTIFICATION

Product identifier

Product Name UDT Polyurea Part A (Summer, Winter, Clear, Pigmented)

Other means of identification

Part Number(s)

Summer Clear, Medium Tan and Mineral Gray: 234000, 234010, 234020, 234500, 234510, 234520, 234600, 234610, 234620
Winter Medium Tan and Mineral Gray: 234030, 234031, 234530, 234531, 234630, 234631

Recommended use of the chemical and restrictions on use

Recommended use No information available

Uses advised against No information available

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

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

Skin Irritant	Category 2
Eye Irritant	Category 2

Warning



Hazard statements:

Causes skin irritation.
Causes serious eye irritation.

Precautionary Statements

Prevention:

Keep container tightly closed.
P264: Wash thoroughly after handling.
Wear protective gloves/eye protection/face protection.

Response:

IF ON SKIN: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

Storage:

Store in a well-ventilated place. Keep cool.

P404: Store in a closed container

Disposal:

Dispose of contents/container in accordance with local/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS#	EINECS #	Hazard Classification
Castor Oil	60 – 65%	8001-79-4	232-293-8	Not Classified
Color Dispersion containing Titanium Dioxide	10-20%	13463-67-7	236-675-5	Not Classified/non-respirable form of product
Ceramic Microspheres	3 – 6%	66402-68-4	Not Listed in ESIS	Not Classified
Zeolite Powder	2 – 5%	1318-02-1	215-283-8	Not Classified
3-glycidyl-oxypropyl-trimethoxy-silane	0.1 – 1.0%	2530-83-8	219-784-2	H315: Eye Irritant Cat 2
Balance of other ingredients is less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).				

4. FIRST AID MEASURES

EYE CONTACT:

If product enters the eyes, open eyes while under gentle running water. Remove contact lenses if easy to do and continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

SKIN CONTACT:

Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

INHALATION:

If breathing becomes difficult, remove victim to fresh air. 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.

MEDICAL CONDITIONS**AGGRAVATED BY EXPOSURE:**

Pre-existing skin or respiratory conditions may be aggravated.

RECOMMENDATIONS TO PHYSICIANS:

Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

FLASH POINT:

Flammable liquid with flash point >200°F (>93.3°C)

AUTOIGNITION TEMPERATURE:

Not Available

FLAMMABLE LIMITS (in air by volume, %):

Lower NA Upper NA

FIRE EXTINGUISHING MATERIALS:

Use fire extinguishing methods below:

Water Spray: Yes

Carbon Dioxide: Yes

Foam: Yes

Dry Chemical: Yes

Halon: Yes

Other: Any "C" Class

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known
Explosion Sensitivity to Mechanical Impact: No **Explosion Sensitivity to Static Discharge:** No

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Stop the flow of material, if this can be done safely. Contain discharged material. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Place in a proper container for disposal. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations)

7. HANDLING AND STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Ensure adequate ventilation. Wash thoroughly after handling this product. Use good hygiene practices.

STORAGE AND HANDLING PRACTICES: Store in original container. Keep container closed when not in use. Store in a cool, dry location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

Chemical Name	CAS#	ACGIH TLV	OSHA TWA
Castor Oil	8001-79-4	Not Listed	Not Listed
Color Dispersion containing Titanium Dioxide (Gray)	13463-67-7	Not Listed	Not Listed
Ceramic Microspheres	66402-68-4	Not Listed	Not Listed
Zeolite Powder	1318-02-1	Not Listed	Not Listed
3-glycidyl-oxypropyl-trimethoxy-silane	2530-83-8	Not Listed	Not Listed

VENTILATION AND ENGINEERING CONTROLS:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.
The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION:

Always use in adequately ventilated area. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION:

Safety glasses or goggles are recommended to avoid eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

SKIN PROTECTION:

Wear impervious gloves for prolonged or repeated exposure as appropriate to task avoid when using this product. If necessary, refer to U.S. OSHA 29 CFR

1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

BODY PROTECTION:

Use body protection appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE (Physical State)****and COLOR:**

This product is a grey liquid with a mild to no odor.

ODOR:

None

ODOR THRESHOLD:

Not Available

pH:

Not Available

MELTING/FREEZING POINT:

Not Available

BOILING POINT:

Not Available

FLASH POINT:

>93.3°C / >200°F

EVAPORATION RATE

(**n-BuAc=1**): Not Available

FLAMMABILITY (SOLID, GAS):

Not Applicable

UPPER/LOWER FLAMMABILITY**OR EXPLOSION LIMITS:**

Not Available

VAPOR PRESSURE (mm Hg @ 20°C (68°F):

Not Available

VAPOR DENSITY:

Not Available

SPECIFIC GRAVITY:

1.07 @ 25°C

SOLUBILITY IN WATER:

Insoluble

WEIGHT PER GALLON:

9.0 lbs/gal

PARTITION COEFFICIENT (n-octanol/water):

Not Available

AUTO-IGNITION TEMPERATURE:

Not Available

DECOMPOSITION TEMPERATURE:

Not Available

10. STABILITY AND REACTIVITY**STABILITY:**

Stable under conditions of normal storage and use.

HAZARDOUS DECOMPOSITION PRODUCTS:

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

MATERIALS WITH WHICH**SUBSTANCE IS INCOMPATIBLE:**

Strong oxidizing materials, strong acids and excessive heat.

POSSIBILITY OF HAZARDOUS REACTIONS:

Will not occur.

CONDITIONS TO AVOID:

Incompatible materials and ignition sources.

11. TOXICOLOGICAL INFORMATION**TOXICITY DATA:**

Chemical Name	CAS#	Oral LD50	Dermal LD50	Inhalation LC50
Castor Oil	8001-79-4	No Data Available	No Data Available	No Data Available
Color Dispersion containing Titanium Dioxide (Gray)	13463-67-7	No Data Available	No Data Available	No Data Available
Ceramic Microspheres	66402-68-4	No Data Available	No Data Available	No Data Available
Zeolite Powder	1318-02-1	No Data Available	No Data Available	No Data Available
3-glycidyl-oxypropyl-trimethoxy-silane	2530-83-8	No Data Available	No Data Available	No Data Available

Acute Toxicity	Based on available data, the classification criteria are not met
Skin Corrosion / Irritation	Skin Irritant Category 2
Serious Eye Damage / Irritation	Eye Irritant Category 2
Respiratory or Skin Sensitization	Based on available data, the classification criteria are not met
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive Toxicity	Based on available data, the classification criteria are not met
STOT – Single Exposure	Based on available data, the classification criteria are not met
STOT – Repeated Exposure	Based on available data, the classification criteria are not met
Aspiration Hazard	Based on available data, the classification criteria are not met

SUSPECTED CANCER AGENT:	Ingredients within this product are found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are considered to be, or suspected to be, cancer-causing agents by these agencies. CAS# 13463-67-7 is listed but is non-respirable in its present form.
IRRITANCY OF PRODUCT:	Exposure to this product may cause skin and eye irritation.
SENSITIZATION TO THE PRODUCT:	This product is not expected to cause skin sensitization.
REPRODUCTIVE TOXICITY INFORMATION:	No current data concerning the effects of this product and its components on the human reproductive system are available

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY:	No specific data available on this product.
CHEMICAL EFFECT ON PLANTS, ANIMALS AND AQUATIC LIFE:	This product may cause harm to plants, animals or aquatic life.
WATER ENDANGERMENT CLASS:	Water endangering in accordance with EU Guideline 91/155-EWG – Not Determined.
SPECIFIC AVAILABLE COMPONENT INFORMATION:	No additional data available at this time.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL:	Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.
EU Waste Code:	Not determined.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

PROPER SHIPPING NAME:	Non-Regulated material
HAZARD CLASS NUMBER and DESCRIPTION:	None
UN IDENTIFICATION NUMBER:	None
PACKING GROUP:	None
DOT LABEL(S) REQUIRED:	None
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER:	None
RQ QUANTITY:	None

MARINE POLLUTANT:	The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).
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INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA):

This product is not considered as dangerous goods.

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO):

This product is not considered as dangerous goods.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD(ADR):

This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

15. REGULATORY INFORMATION**UNITED STATES REGULATIONS:****U.S. SARA****REPORTING REQUIREMENTS:**

The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act as follows: None

U.S. SARA THRESHOLD**PLANNING QUANTITY:**

There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs. (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ):

None

U.S. TSCA INVENTORY STATUS:

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

**OTHER U.S. FEDERAL REGULATIONS:
CALIFORNIA SAFE DRINKING WATER
AND TOXIC ENFORCEMENT ACT
(PROPOSITION 65):**

None

Ingredients within this product are not on the Proposition 65 Lists.

CANADIAN REGULATIONS:**CANADIAN DSL/NDL INVENTORY STATUS:**

The components of this product are on the DSL Inventory, or are exempted from listing.

OTHER CANADIAN REGULATIONS:

Not applicable.

**CANADIAN ENVIRONMENTAL PROTECTION ACT
(CEPA) PRIORITIES SUBSTANCES LISTS:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

**CANADIAN WHMIS CLASSIFICATION
and SYMBOLS:**

Complies with WHMIS 2015

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

This product does meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.
See Section 2 for Details

AUSTRALIAN INFORMATION FOR PRODUCT: The components of this product are listed on the International Chemical Inventory list.

JAPANESE INFORMATION FOR PRODUCT:**JAPANESE MINISTER OF INTERNATIONAL
TRADE AND INDUSTRY (MITI) STATUS:**

The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

JAPANESE ENCS INVENTORY:

The components of this product are on the ENCS Inventory as indicated in the section on International Chemical Inventories, below.

**POISONOUS AND DELETERIOUS
SUBSTANCES CONTROL LAW:**

No component of this product is a listed Specified Poisonous Substance under the Poisonous and Deleterious Substances Control Law.

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

Preparation Date
Revision Date
Revision Note

05-Oct-2023
18-Dec-2023
General format change only.

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