

1. IDENTIFICATION

Product identifier

Product Name UDT Polyurea Accelerator

Other means of identification

Part Number(s) 234900

Recommended use of the chemical and restrictions on use

Recommended use Catalyst package for polyurea; polyurethane catalyst; 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. 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).

Serious Eye Damage/Eye Irritation	Category 2A
Skin Sensitization	Category 1
Germ Cell Mutagenicity	Category 2
Reproductive Toxicity	Category 1B
Specific Target Organ Toxicity – Single Exposure, Thymus	Category 1
Specific Target Organ Toxicity – Repeated Exposure, Thymus, Immune System	Category 1
Acute Aquatic Toxicity	Category 1
Chronic Aquatic Toxicity	Category 1

GHS Label elements, including precautionary statements



Signal Word Danger

Hazard statements

Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of causing genetic defects.
May damage fertility or the unborn child.
Causes damage to organs (thymus) with single exposure.
Causes damage to organs (thymus, immune system) through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements – Prevention

Obtain, read, and follow all safety instructions before use.
Wash hands, forearms, and face thoroughly after handling.
Wear protective gloves and clothing, eye and face protection.
Contaminated work clothing should not be allowed out of the workplace.
Do not breathe fumes, gas, mist, vapors, or spray.
Do not eat, drink, or smoke when using this product.
Avoid release to the environment.

Precautionary Statements – Response

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, seek medical attention.
IF ON SKIN: Wash with plenty of water for several minutes. If skin irritation or rash occurs, seek medical attention.
Take off contaminated clothing and wash before reuse.
IF EXPOSED or CONCERNED: immediately seek emergency medical attention.
Seek medical attention if you feel unwell.
See Section 4, First Aid Measures, for specific treatment instructions.
Collect spillage.

Precautionary Statements – Storage

Store locked up.

Precautionary Statements – Disposal

Dispose of contents and container to an approved waste disposal plant in accordance with local, regional, and federal regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Dibutyltin Dilaurate	77-58-7	1 - 5

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 plenty of water for at least 15 minutes, lifting upper and lower eyelids. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if eye 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 or rash develop.

Inhalation

Remove victim to fresh air and keep comfortable for breathing. If symptoms persist, seek medical advice. If experiencing breathing difficulties or not breathing, use artificial respiration to support vital functions. Seek medical attention.

Ingestion

Rinse mouth with water. If product is swallowed, call physician or poison control center for most current information. Unless instructed otherwise by physician, 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 attention.

Most important symptoms and effects, both acute and delayed

Irritation (burning, stinging) of eyes may occur.

Pre-existing skin conditions may be aggravated. Prolonged exposure could lead to irritation, rash, and/or sensitization.

Damage to thymus (single exposure) and immune system (repeated, prolonged exposure) may occur.

Immediate medical attention and special treatment, if necessary

Exposure to product may cause damage to thymus and immune system. If exposed, seek immediate medical attention. Prolonged exposure could lead to damage of immune system.

If medical history of immunodeficiencies, cancers, or other immune-related symptoms exists, seek immediate medical attention.

Special Instructions for Physicians

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide. Dry powder. Alcohol Foam. Water Spray.

Unsuitable extinguishing media

No information available.

Specific hazards arising from the chemical

Incomplete combustion may form carbon monoxide.

Hazardous decomposition products include toxic fumes and oxides of carbon.

Protective equipment and precautions for fire-fighters

Evacuate area; move non-emergency personnel away from and upwind of active fire location. 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. Avoid breathing fumes, mist, or vapors.

Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene.

No open flames, no sparks, and 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 material for containment and cleaning up

Ensure adequate ventilation. Use personal protective equipment as required. Stop flow of material if able to do so safely. Contain discharged material. Absorb spill using inert absorbent material such as sand, earth, or vermiculite. Take up mechanically to an approved waste disposal container. Mop spill area using a 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, forearms, and face thoroughly after use. Practice good industrial hygiene when using product. Ensure good ventilation of the workstation. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Avoid contact with skin and eyes. Avoid breathing fumes, mist, or vapors.

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store locked up in a cool, dry, well-ventilated place. Store away from direct sunlight. 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 TWA	OSHA TWA
Dibutyltin Dilaurate	0.2 mg/m ³	0.1 mg/m ³	0.1 mg/m ³

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Protective eyewear (safety glasses or chemical goggles)

Skin and Body Protection	Gloves. Protective clothing. Wash unprotected skin thoroughly after handling.
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	Yellow
Odor	Mild
Melting point	No information
Boiling point	No information
Flammability	No information
Upper flammability limit	No information
Lower flammability limit	No information
Flash point	392 °F / 200 °C
Autoignition Temperature	No information
Decomposition temperature	No information
pH	No information
Dynamic Viscosity	960 cP
Kinematic Viscosity	No information
Solubility	Insoluble
Partition coefficient n-octanol/water (Log Pow)	No information
Vapor pressure	No information
Density	8.0 lb/gal
Relative density	No information

10. STABILITY AND REACTIVITY

Reactivity

The product is non-reactive under normal conditions of use, storage, and transport.

Chemical stability

Stable under normal conditions.

Possibility of 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

No information available.

Hazardous decomposition products

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

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation Gas, mist, or vapor

Eye Contact Gas, mist, or vapor, or liquid material splash

Skin Contact Liquid material splash

Ingestion Liquid material

Symptoms related to physical, chemical, and toxicological characteristics

Contact with eyes may result in stringing/burning sensation.

Prolonged skin contact may lead to skin sensitivity and allergic skin reaction.

May cause damage to fertility or the unborn child. Prolonged or repeated exposure may cause genetic defects. May be damaging to thymus even upon single exposure. Prolonged or repeated exposure may damage immune system.

Delayed and immediate effects, including chronic effects from short- and long-term exposure

An allergic skin reaction may develop.

Fertility may be damaged or destroyed.

Genetic defects may occur.

Damage to thymus and immune system are possible.

Numerical Values of Toxicity – Component Information

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Dibutyltin Dilaurate	> 2,000 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	--

Skin Corrosion/Irritation

Not classified.

Serious Eye Damage/Irritation

May be irritating to eyes.

Respiratory or Skin Sensitization

May cause an allergic skin reaction.

Germ Cell Mutagenicity

May cause genetic defects.

Carcinogenicity

Not classified.

Reproductive Toxicity

May damage fertility or the unborn child.

STOT – Single Exposure

May damage thymus.

STOT – Repeated Exposure

May damage thymus and/or immune system.

Aspiration Hazard

Not classified.

Numerical Values of Toxicity – Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
UDT Polyurea Accelerator	> 2,000 mg/kg	> 2,000 mg/kg	--

Acute Toxicity (oral)

Not classified.

Acute Toxicity (dermal)

Not classified.

Acute Toxicity (inhalation)

Not classified.

Interactive Effects

Pre-existing skin conditions may be aggravated.

Pre-existing thymus or immune system conditions may be aggravated.

Immunodeficiencies, cancers, and other immune-related health issues may be aggravated.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is considered very toxic to aquatic life with long-lasting adverse effects on the environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Dibutyltin dilaurate	--	LC ₅₀ = 2 mg/L	EC ₅₀ = 2.28 mg/L (Daphnia magna)

Chemical Name	Algae/aquatic plants	Fish	Crustacea
UDT Polyurea Accelerator	--	LC ₅₀ = 2 mg/L	EC ₅₀ = 2.28 mg/L (Daphnia magna)

Persistence and Degradability

No information available.

Bioaccumulation Potential

Chemical Name	Partition Coefficient n-octanol/water (Log P _{ow})
Dibutyltin dilaurate	--

Assessment

No information available.

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 of contents and container should be in accordance with applicable regional, national, and local laws and regulations. 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

IMDG

Not applicable

IATA

Not applicable

Packing Group

DOT

Not applicable

IMDG

Not applicable

IATA

Not applicable

Environmental Hazards

This product contains a substance that is toxic to the aquatic environment with long-lasting harmful effects.

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

This product is considered hazardous by the 2024 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 chemical(s) which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

- Dibutyltin dilaurate

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No
Carcinogenicity	No
Respiratory or Skin Sensitization	Yes
Germ Cell Mutagenicity	Yes
Serious Eye Damage/Irritation	Yes

US State Regulations

California Proposition 65 – This product does not expose users to chemicals which are knowns to the State of California to cause cancer and/or genetic defects.

State Right to Know – Massachusetts, New Jersey, Pennsylvania

NFPA Hazard codes

Health	3
Fire	1
Reactivity	0

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

Preparation Date 21 October 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