

1. IDENTIFICATION

Product identifier

Product Name UDT Gloss Part A-1 (4 Hour and 8 Hour)

Other means of identification

Part Number(s) 403714, 403718, 403764, 403768, 403770, 403780

Recommended use of the chemical and restrictions on use

Recommended use Catalyst for polyurethane; 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

Ultrad.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
Serious Eye Damage	Category 2A
Flammable Liquid	Category 4

GHS Label elements, including precautionary statements


Signal Word **Warning**

Hazard statements

Causes skin irritation.

Causes serious eye irritation.

Combustible liquid.

Precautionary Statements – Prevention:

Obtain special instructions before use.

Wash hands thoroughly after handling.

Wear protective gloves and eye/face protection.

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

Precautionary Statements - Response:

IF ON SKIN: Wash affected area with soap and water. If irritation occurs, get medical help.

Remove contaminated clothing and wash before reuse.

IF IN EYES: Rinse cautiously with water. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical help.

Precautionary Statements - Storage:

Keep container tightly closed.
Store in a well-ventilated place.

Precautionary Statements - Disposal:

Dispose of contents/containers at an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
Ethylene glycol monobutyl ether	111-76-2	30 - 60
2-methoxymethylethoxypropanol	34590-94-8	10 - 30
E-Sperse 100	proprietary	10 - 30
DI-n-butylbis(dodecylthio)tin	1185-81-5	0.1 – 5
Octamethylcyclotetrasiloxane	556-67-2	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. Seek medical attention.

Ingestion

If product is swallowed, give affected person two glasses of water for dilution. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. 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

Carbon dioxide. Dry chemical. Chemical Foam.

Unsuitable extinguishing media

No information available

Specific hazards arising from the chemical

Hazardous decomposition products include oxides of carbon and nitrogen.

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 and sources of heat or ignition. 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
Ethylene glycol monobutyl ether	Not established	20 ppm	50 ppm
2-methoxymethylethoxypropanol	150 ppm	100 ppm	100 ppm
E-Sperse 100	Not established	Not established	Not established
DI-n-butylbis(dodecylthio)tin	Not established	Not established	Not established
Octamethylcyclotetrasiloxane	Not established	Not established	10 ppm
Dipropylene glycol monomethyl ether	150 ppm	100 ppm	100 ppm

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

In the event that misting occurs, wear appropriate respirator.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear, colorless to slight yellow
Odor	Mild, sweet
Melting point	No information
Boiling point	212°F (100°C)
Flammability	Not applicable
Upper flammability limit	No information
Lower flammability limit	No information
Flash point	80°C/ 176°F

Autoignition Temperature	No information
Decomposition temperature	No information
pH	8.5
Dynamic Viscosity	No information
Kinematic Viscosity	No information
Solubility	Totally miscible
Partition coefficient n-octanol/water (Log Pow)	No information
Vapor pressure	17 mmHg @ 20°C
Density	1.080 g/cm ³
Relative Density	No information
Volatile Organic Compounds	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. Mineral and organic bases. Primary and secondary aliphatic amines.

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

Development of skin irritation leading to rash is possible.

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 ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Ethylene glycol monobutyl ether	1,200 mg/kg (Guinea Pig)	> 2,000 mg/kg (Guinea Pig)	> 633 ppm (Guinea Pig, 1 hour)
2-methoxymethylethoxypropanol	5,200 mg/kg (Rat)	9,500 mg/kg (Rabbit)	> 50 mg/l (Rat)
E-Sperse 100	--	--	--
DI-n-butylbis(dodecylthio)tin	136 mg/kg	--	--
Octamethylcyclotetrasiloxane	--	--	--

Skin Corrosion/Irritation

Skin irritation that may lead to rash

Serious Eye Damage/Irritation

Eye irritation

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 values are calculated using Chapter 3 of the GHS document.

Chemical Name	Oral LD₅₀	Dermal LD₅₀	Inhalation LC₅₀
UDT Gloss Part A-1 (4-Hour and 8-Hour)	2014 mg/kg	5,633 mg/kg	47 mg/l

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

Interactive effects

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

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
Ethylene glycol monobutyl ether	--	--	--
2-methoxymethylethoxypropanol	--	--	--
E-Sperse 100	--	--	--
DI-n-butylbis(dodecylthio)tin	--	--	--
Octamethylcyclotetrasiloxane	--	--	--
Dipropylene glycol monomethyl ether	EC ₅₀ > 969 mg/L (Pseudokirchneriella subcapitata, static, 96h)	LC ₅₀ > 1,000 mg/L (Poecilia reticulata, static, 96 h)	LC ₅₀ = 1,919 mg/L (Daphnia magna, static, 48h) LC ₅₀ > 1,000 mg/L (Crangon crangon, semi-static, 96h) LC ₅₀ = 2,070 mg/L (Acartia tonsa, static, 48h) NOEC > 0.5 mg/L (Daphnia magna, flow-through, 22d)

Chemical Name	Algae/aquatic plants	Fish	Crustacea
UDT Gloss Part A-1 (4-Hour and 8-Hour)	--	--	--

Persistence and Degradability

No information available

Bioaccumulation Potential

Chemical Name	Partition Coefficient n-octanol/water (Log P_{ow})
Ethylene glycol monobutyl ether	Not established
2-methoxymethylethoxypropanol	Not established
E-Sperse 100	Not established
DI-n-butylbis(dodecylthio)tin	Not established
Octamethylcyclotetrasiloxane	Not established
Dipropylene glycol monomethyl ether	0.006

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 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.

US Federal Regulations**SARA 313**

Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains no 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

Yes

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 in excess of 0.1% believed by the State of California to cause cancer, developmental, and/or reproductive harm.

State Right to Know – Massachusetts, New Jersey, Pennsylvania

HMIS Hazard codes

Health	1
Fire	1
Reactivity	0

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

Preparation Date	30-Jan-2025
Revision Date	28-April-2025
Revision Note	Updated sections 2, 4, and 11.

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

