

1. IDENTIFICATION

Product identifier

Product Name Ultra HTS Part A

Other means of identification

Part Number(s) 240014, 240015

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 6th Ave. North

Waite Park, MN 56387

320-258-2266

Ultradt.com

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARD IDENTIFICATION

Classification

This chemical is considered hazardous by the 2024 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Acute Inhalation Toxicity (Dusts/Mists)	Category 4
Respiratory Sensitization	Category 1
Skin Sensitization	Category 1
Germ Cell Mutagenicity	Category 1B
Carcinogenicity	Category 1B
STOT – Single Exposure	Category 3

GHS Label elements, including precautionary statements



Signal Word

Danger

Hazard Statements

Harmful if inhaled.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

May cause genetic defects.

May cause cancer.

May cause respiratory irritation.

May cause drowsiness or dizziness.

Precautionary Statements – Prevention

Obtain, read, and follow all safety instructions before use.

Avoid breathing dusts, fumes, mists, or sprays.

Use only outdoors or in a well-ventilated area. In case of inadequate ventilation, wear respiratory protection.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves and clothing and face and eye protection.

Precautionary Statements – Response

IF INHALED: remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, get emergency medical help immediately.

IF ON SKIN: wash with plenty of soap and water. If irritation or rash occurs, get medical help.

Take off contaminated clothing and wash before reuse.

For specific treatment, see Section 4, First Aid Measures.

If exposed or concerned, get medical advice.

Precautionary Statements – Storage

Store locked up in a well-ventilated area.

Keep container tightly closed.

Precautionary Statements – Disposal

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS Number	Weight %
Polymeric Isocyanate	28182-81-2	60 - 100
Aromatic 100	64742-95-6	0.1 - 1
Hexamethylene-1,6-diisocyanate	822-06-0	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 for at least 15 minutes after contact is made. 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 respiratory symptoms are experienced, seek emergency medical attention. Provide artificial breathing support (CPR) as necessary until emergency medical personnel are available.

Ingestion

If product is swallowed, rinse mouth thoroughly and drink plenty of water afterwards. 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 to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical attention. 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

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Immediate medical attention and special treatment if necessary

Use artificial respiration (CPR) to support vital functions

Special Instructions for Physicians

Treat symptomatically

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

Foam. Halon. Carbon dioxide. Dry Chemical. Class "C" extinguishers.

Unsuitable extinguishing media

Water

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 media 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 dusts, mists, and sprays. Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene.

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 solution of 90% water, 8% concentrated ammonia, and 2% detergent. Let sit for 10 minutes 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. Ensure good ventilation of the workspace and limit the number of exposed individuals. Maintain the minimum amount of material necessary to lower exposures.

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

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

Incompatible materials

Oxidizing agents. Strong bases. Water. Alcohols. Amines. Copper.

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

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

Exposure Guidelines

Chemical Name	OSHA PEL	ACGIH TLV	NIOSH IDLH
Hexamethylene 1,3-diisocyanate	Not established	TWA 0.005 ppm	0.020 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 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	Colorless and slightly opaque
Odor	Mild
Melting point	No information
Boiling point	125°C (257°F)
Flammability	Not applicable
Upper flammability limit	No information
Lower flammability limit	No information
Flash point	168°C/ 334°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	9.6 lbs/gal
Relative Density	No information

10. STABILITY AND REACTIVITY

Reactivity

This product is non-reactive under normal conditions of use, storage, and transport. Exposure to moisture will allow the product to rapidly hydrolyze.

Chemical Stability

Stable under normal storage conditions. Exposure to moisture will allow the product to rapidly hydrolyze.

Hazardous reactions

None under normal conditions of use.

Conditions to avoid

Extremes of temperature.

Direct Sunlight.

Moisture.

Incompatible materials

Oxidizing agents. Strong bases. Water. Alcohols. Amines. Copper

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 dusts, mists, or spray
Eye Contact	Liquid material splash or dust/mist
Skin Contact	Liquid material splash
Ingestion	Liquid material

Symptoms related to the physical, chemical, and toxicological characteristics

Skin irritation leading to rash and sensitization.

Respiratory irritation leading to trouble breathing, dizziness, drowsiness, and loss of consciousness.

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

Known skin and respiratory sensitizer.

Skin exposure leads to irritation, rash, and skin allergy.

Respiratory exposure, including single exposure, can lead to loss of consciousness and asthma and allergy-like symptoms.

Numerical Values of Toxicity – Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Polymeric Isocyanate	-	-	18500 mg/m ³ (Rat) 1 h
Aromatic 100	8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	3400 ppm (Rat) 4 h
Hexamethylene-1,6-diisocyanate	710 µL/kg (Rat)	593 mg/kg (Rabbit)	0.06 mg/L (Rat) 4 h

Skin Corrosion/Irritation

Not classified

Serious Eye Damage/Irritation

Not classified

Respiratory or Skin Sensitization

May lead to skin and respiratory allergies (rash/asthma)

Germ Cell Mutagenicity

May cause genetic defects or harm the unborn child

Carcinogenicity

May cause cancer

Reproductive Toxicity

Not classified

STOT – Single Exposure

May cause respiratory irritation and asthma-response

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 LD50	Dermal LD50	Inhalation LC50
Ultra HTS Part A	--	--	4.59 mg/L

Acute Toxicity (oral)

Not classified

Acute Toxicity (dermal)

Not classified

Acute Toxicity (inhalation)

Not classified

Interactive effects

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

Pre-existing respiratory conditions (asthma) may be aggravated with inhalation exposure to the product. Repeated exposure may further exacerbate condition and lead to breathlessness and sensitization.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is harmful to aquatic organisms with long lasting adverse effects on the environment.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Aromatic 100	--	LC ₅₀ = 22 mg/L (Oncorhynchus mykiss, 96h)	EC ₅₀ = 6.14 mg/L (Daphnia magna, 48h)
Hexamethylene-1,6-diisocyanate	--	LC ₅₀ = 26.1 mg/L (Brachydanio rerio, 96h, static)	-

98.59% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ultra HTS Part A	--	--	--

Persistence and Degradability

No information available

Bioaccumulation Potential

No information available

Assessment

Significant accumulation not expected

Mobility in Soil

No information available

Other adverse effects

Elimination information

No information available

Water hydrolysis

Product will rapidly hydrolyze

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal 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
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 one or more 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	Yes
Respiratory or Skin Sensitization	Yes
Germ Cell Mutagenicity	Yes
Serious Eye Damage/Irritation	No

US State Regulations

California Proposition 65 – This product contains one or more 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	03-June-2023
Revision Date	16-May-2025
Revision Note	General formatting updates. Updated sections 1, 2, 3, 4, 9, 11, 12, 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.