SAFETY DATA SHEET

Revision Date 26-August-2025
Version # 1.1

1. IDENTIFICATION

Product identifier
Product Name UltraSpartic 100 Part A

Other means of identification
Part Number(s) 231100, 231101, 231300

Recommended use of the chemical and restrictions on use
Recommended use Floor protective 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 N
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).

Skin Corrosion/Irritation	Category 1C
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Germ Cell Mutagenicity	Category 2
Carcinogenicity	Category 2
Specific Target Organ Toxicity – Repeated Exposure	Category 2



Signal Word **Danger**

Hazard statements
Causes severe skin burns, severe eye damage, and serious eye irritation.
May cause an allergic skin reaction.
Suspected of causing genetic defects.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements – Prevention
Obtain, read, and follow all safety instructions before use.
Do not breathe dust, fumes, vapors, or mists.
Wash hands, forearms, and face thoroughly after handling.
Wear protective gloves and clothing, eye protection and face protection.

Contaminated work clothing should not be allowed out of the workplace

Precautionary Statements – Response
IF INGESTED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. If skin irritation or rash occurs seek medical attention.
Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists, seek medical advice.
IF exposed or concerned, seek medical advice.
Seek medical attention if you feel unwell.
See Section 4, First Aid Measures, for more specific information.

Precautionary Statements - Storage
Store locked up.

Precautionary Statements - Disposal
Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national, and/or international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS #	Weight%
Aspartic acid, N,N'-(methylenebis(2-methyl-4,1-cyclohexanediyl))bis-, tetraethyl ester	136210-32-7	30 - 60
DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexandediyl)bis-, tetraethyl ester	136210-30-5	10 - 30
Polyaspartic Ester	152637-10-0	10 - 30
Proprietary Modified Amine	Trade Secret	1 - 5
Isophoronediamine-isobutyraldimine	Trade Secret	1 - 5
2-ethylhexyl-3,5,5-trimethylhexanoate	70969-70-9	1 - 5
Dipropylene Glycol Methyl Ether Acetate	88917-22-0	0.5 - 1.5
Naphtha, petroleum, heavy alkylate	Trade Secret	0.5 - 1.5
Substituted benzotriazole	104810-47-1	0.1 - 1
Substituted benzotriazole	104810-48-2	0.1 - 1
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	Trade Secret	0.1 – 1
Sebacic acid	Trade Secret	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 thoroughly with plenty of water for at least 15 minutes, lifting lower and upper 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 necessary, use artificial respiration to support vital functions. Seek medical attention if symptoms persist.

Ingestion Rinse mouth with water. 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
May cause an allergic skin reaction or eye irritation. Pre-existing conditions may be aggravated.

Immediate medical attention and special treatment, if necessary
No information available

Note to physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media
No information available

Specific hazards arising from the chemical
Hazardous decomposition products include toxic fumes and oxides of carbon.

Protective equipment and precautions for firefighters
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 fumes, gases, mist, vapors, or spray.
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
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 up 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. 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, gas, mist, vapor, and spray.
Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Contaminated clothing should not be allowed out of the workplace. Wash before reuse or discard.

Conditions for safe storage, including any incompatibilities
Storage Conditions
Store in a cool, dry, well-ventilated place. Store 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 TWA	OSHA TWA
Aspartic acid, N,N'-(methylenebis(2-methyl-4,1-cyclohexanediyl))bis-, tetraethyl ester	Not established	Not established	Not established
DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexandediyl)bis-, tetraethyl ester	Not established	Not established	Not established
Polyaspartic Ester	Not established	Not established	Not established
Proprietary Modified Amine	Not established	Not established	Not established
Isophoronediamine-isobutyraldimine	Not established	Not established	Not established
2-ethylhexyl-3,5,5-trimethylhexanoate	No Limit	No Limit	No Limit
Dipropylene Glycol Methyl Ether Acetate	No Limit	No Limit	No Limit
Naphtha, petroleum, heavy alkylate	No Limit	No Limit	No Limit
Substituted benzotriazole	Not established	Not established	Not established
Substituted benzotriazole	Not established	Not established	Not established
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	No Limit	No Limit	No Limit
Sebacic acid	No Limit	No Limit	No Limit

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 practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear, Colorless to light yellow
Odor	Mild
Melting point	No information
Boiling point	≥ 210°C/≥ 410°F
Flammability	Not applicable
Upper flammability limit	No information
Lower flammability limit	No information
Flash point	>94°C/ >201°F
Autoignition Temperature	No information
Decomposition temperature	No information
pH	No information
Dynamic Viscosity	300 cP
Kinematic Viscosity	No information
Solubility	No information
Partition coefficient n-octanol/water (Log Pow)	No information
Vapor pressure	No information
Density	8.56 lbs/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.
Do not store in direct sunlight.

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 Inhalation of gas/mist/vapor

Eye contact Liquid material splash or gas/mist/vapor

Skin contact Liquid material splash

Ingestion Liquid material

Symptoms related to the physical, chemical and toxicological characteristics
No information available

Delayed and immediate effects, including 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}
Aspartic acid, N,N'-(methylenebis(2-methyl-4,1-cyclohexanediyl))bis-, tetraethyl ester	--	--	--
DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexandediyl)bis-, tetraethyl ester	--	--	--
Polyaspartic Ester	--	--	--
Proprietary Modified Amine	= 4,150 mg/kg (Rat)	> 5,000 mg/kg (Rat)	--
Isophoronediamine-isobutyraldimine	= 4,150 mg/kg (Rat)	> 5,000 mg/kg (Rabbit)	--
2-ethylhexyl-3,5,5-trimethylhexanoate	--	--	--
Dipropylene Glycol Methyl Ether Acetate	> 5,000 mg/kg (Rat)	> 2,000 mg/kg (Rat)	> 5.7 mg/L (Rat, 4h, Vapor)
Naphtha, petroleum, heavy alkylate	= 34,600 mg/kg (Rat)	= 15,400 mg/kg (Rat)	> 3,684 ppm (Rat, 4h)
Substituted benzotriazole	> 5,000 mg/kg (Rat)	--	--
Substituted benzotriazole	> 5,000 mg/kg (Rat)	--	--
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	--	--	--
Sebacic acid	--	--	--

Skin Corrosion/Irritation May cause skin irritation leading to rash and damage to skin tissue
Serious Eye Damage/Irritation May cause eye irritation
Respiratory or Skin Sensitization May cause skin irritation/rash leading to allergic skin reaction
Germ Cell Mutagenicity Product contains one or more ingredients suspected of causing genetic defects
Carcinogenicity Product contains one or more ingredients suspected of causing cancer
Reproductive Toxicity Not classified
STOT – Single Exposure Not classified
STOT – Repeated Exposure May cause damage to organs when exposed repeatedly

Aspiration Hazard Not classified.

Numerical measures 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}
UltraSpartic 100 Part A	5,186.95 mg/kg	3,824.09 mg/kg	32.92 mg/L

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

Interactive effects
Pre-existing skin conditions may be aggravated. Repeated exposure may cause an allergic skin reaction or sensitivity.

12. ECOLOGICAL INFORMATION

Ecotoxicity
This product is considered harmful to aquatic organisms with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Aspartic acid, N,N'-(methylenebis(2-methyl-4,1-cyclohexanediyl))bis-, tetraethyl ester	--	--	--
DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexandediyl)bis-, tetraethyl ester	--	--	--
Polyaspartic Ester	--	--	--
Proprietary Modified Amine	EC_{50} > 100 mg/L (Desmodesmus subspiacatus, 72h)	LC_{50} > 100 mg/L (Danio rerio, 96h)	EC_{50} = 22.2 mg/L (Daphnia magna, 48h)
Isophoronediamine-isobutyraldimine	ErC_{50} > 100 mg/L (Desmodesmus subspicatus) NOEC = 7.6 mg/L (Desmodesmus subspicatus)	LC_{50} > 100 mg/L (Danio rerio, 96h)	EC_{50} = 14.7 mg/L (Daphnia magna, 48h) NOEC = 3 mg/L (Daphnia magna, 21d)
2-ethylhexyl-3,5,5-trimethylhexanoate	--	--	--
Dipropylene Glycol Methyl Ether Acetate	EC_{50} > 1,000 mg/L (Pseudokirchneriella subcapitata, 48h, static)	LC_{50} = 151 mg/L (Pimephales promelas, 96h, static) LC_{50} = 110.55 mg/L (Oncorhynchus mykiss, 96h, semi-static)	LC_{50} = 2,701 mg/L (Daphnia magna, 48h, static)
Naphtha, petroleum, heavy alkylate	--	--	--
Substituted benzotriazole	--	LC_{50} = 2.8 mg/L (zebra fish, 96h)	--
Substituted benzotriazole	--	LC_{50} = 2.8 mg/L (zebra fish, 96h)	--
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	--	--	--
Sebacic acid	--	--	--

Chemical Name	Algae/aquatic plants	Fish	Crustacea
UltraSpartic 100 Part A	--	--	--

Persistence and degradability
No information available.

Bioaccumulation potential

Chemical Name	Partition Coefficient n-ocatnol/water (Log P_{ow})

Aspartic acid, N,N'-(methylenebis(2-methyl-4,1-cyclohexanediyl))bis-, tetraethyl ester	Not established
DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexandediyl)bis-, tetraethyl ester	Not established
Polyaspartic Ester	Not established
Proprietary Modified Amine	Not established
Isophoronediamine-isobutyraldimine	Not established
2-ethylhexyl-3,5,5-trimethylhexanoate	Not established
Dipropylene Glycol Methyl Ether Acetate	0.61
Naphtha, petroleum, heavy alkylate	Not established
Substituted benzotriazole	Not established
Substituted benzotriazole	Not established
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	0.37
Sebacic acid	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 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.

US EPA Waste Number U122

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 Chronically toxic to aquatic life with long lasting 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

SARA 313

Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains 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	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	Yes

US State Regulations

California Proposition 65 – This product contains substances suspected by the State of California to cause cancer, developmental, and/or reproductive harm.

International Regulations

TECI	DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, tetraethyl ester
(Thailand Existing Chemicals Inventory)	Aspartic acid, N,N'-[methylenebis(2-methyl-4,1-cyclohexanediyl)]bis-, tetraethyl ester
	Solvent naphtha, petroleum, heavy alkylate

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	
Revision Date	26-August-2025
Revision Note	General formatting updates; updated Sections 1, 2, 3, 8, 9, 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