

Revision Date 6-June-2025
Version 1.0

1. IDENTIFICATION

Product identifier

Product Name UltraSpartic 85-EXT Low Odor Part A

Other means of identification

Part Number(s) 233212, 233222, 233235

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. 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 2
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B

GHS Label elements, including precautionary statements



Signal Word **Danger**

Hazard statements

May cause an allergic skin reaction.
 Causes serious eye irritation.
 May cause genetic defects.
 May cause cancer

Precautionary Statements - Prevention:

Obtain, read, and follow all special instructions before use.
 Avoid breathing fumes, gas, mist, vapors, or spray.
 Wash hands, forearms, and face thoroughly after handling.
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves and clothing, eye protection, and face protection.

Precautionary Statements - Response:

IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs, get medical help.
 Take off and wash contaminated clothing before reuse.
 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 help.
 If exposed or concerned: Get medical advice/attention.

Precautionary Statement - Storage:

Store locked up.

Precautionary Statements - Disposal:

Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Aspartic acid, N,N'-(methylenebis(2-methyl-4,1-cyclohexanediy))bis-, tetraethyl ester	136210-32-7	45 - 70
DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexandediy))bis-, tetraethyl ester	136210-30-5	30 - 60
Isophoronediamine-isobutyraldimine	Trade Secret	1 - 5
Solvent naphtha, petroleum, heavy alkylate	Trade Secret	0.5 - 1.5
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	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 eyes thoroughly with water for at least 15 minutes, lifting upper and lower eyelids as able. 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.

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.

Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction or eye irritation. Pre-existing skin conditions may be aggravated.

Immediate medical attention and special treatment, if necessary

No information available

Special Instructions for 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 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 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
DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexanediyl) bis-, tetraethyl ester	Not established	Not established	Not established

Aspartic acid, N,N'-[methylenebis(2-methyl-4,1-cyclohexanediy)] bis-, tetraethylester	Not established	Not established	Not established
Isophoronediamine-isobutryalimine	Not established	Not established	Not established
Solvent naphtha, petroleum, heavy alkylate	Not established	Not established	Not established
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	Not established	Not established	Not established
2,6-dimethylheptan-4-one	Not established	25 ppm	50 ppm
Cumene	Not established	50 ppm	50 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	Clear, Colorless to light yellow
Odor	Mild
Melting point	No information
Boiling point	No information
Flammability	Not applicable
Upper flammability limit	No information
Lower flammability limit	No information
Flash point	>93.3°C/ >200°F
Autoignition Temperature	No information
Decomposition temperature	No information
pH	< 10
Dynamic Viscosity	500 cP
Kinematic Viscosity	479.621 mm ² /s
Solubility	No information
Partition coefficient n-octanol/water (Log Pow)	No information
Vapor pressure	No information
Density	8.7 lbs/gal
Relative Density	1.04

10. STABILITY AND REACTIVITY

Reactivity

The 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

No additional 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/vapor/mist
Skin Contact	Liquid material splash
Ingestion	Liquid material

Symptoms related to 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-cyclohexanedyl))bis-, tetraethyl ester	--	--	--
DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexanedyl)bis-, tetraethyl ester	--	--	--
Isophoronediamine-isobutyraldimine	--	>5,000 mg/kg (Rat)	--
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	2615 mg/kg (Rat)	--	--
Solvent naphtha, petroleum, heavy alkylate	34,600 mg/kg (Rat)	15,400 mg/kg (Rabbit)	> 3,684 mg/L (Rat, 4h)

Skin Corrosion/Irritation	Not classified
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	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 LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
US85-EXT Low Odor Part A	58,718 mg/kg	2,905 mg/kg	4,500 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 not considered harmful to aquatic organisms or to cause long-term adverse effects on the environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Aspartic acid, N,N'-(methylenebis(2-methyl-4,1-cyclohexanediy))bis-, tetraethyl ester	--	--	--
DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexandediy))bis-, tetraethyl ester	--	--	--
Isophoronediamine-isobutyraldimine	--	LC ₅₀ > 100 mg/L (Danio rerio, static, 96h)	--
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	--	LC ₅₀ = 0.97 mg/L (Iepornis macrochirus, static, 96h)	--
Solvent naphtha, petroleum, heavy alkylate	--	--	--

Chemical Name	Algae/aquatic plants	Fish	Crustacea
UltraSpartic 85-EXT Low Odor Part A	--	--	--

Persistence and Degradability

No information available

Bioaccumulation potential

Chemical Name	Partition Coefficient n-octanol/water (Log P _{ow})
Aspartic acid, N,N'-(methylenebis(2-methyl-4,1-cyclohexanediy))bis-, tetraethyl ester	Not established
DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexandediy))bis-, tetraethyl ester	Not established
Isophoronediamine-isobutyraldimine	5.2
Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	0.37
Solvent naphtha, petroleum, heavy alkylate	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.

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	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 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****(Thailand Existing Chemicals Inventory)**

DL-Aspartic acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, tetraethyl ester
Aspartic acid, N,N'-[methylenebis(2-methyl-4,1-cyclohexanediyl)]bis-, tetraethyl ester
Solvent naphtha, petroleum, light aromatic

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 6-June-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