EPIC Gloss Part A

Revision Date 22-April-2025
Version 3.0

1. IDENTIFICATION

Product identifier
Product Name EPIC Gloss Part A

Other means of identification
Part Number(s) 410000, 410101, 410050

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. HAZARDS IDENTIFICATION

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

Skin Irritation	Category 3
Serious Eye Damage/Eye Irritation	Category 2

GHS Label elements, including precautionary statements

Signal Word **Warning**
Hazard statements
Causes mild skin irritation.
Causes serious eye irritation.

Precautionary Statements – Prevention:
Obtain special instructions before use.
Do not get in eyes, on skin, or on clothing.
Wash hands thoroughly after handling.
Wear protective gloves and eye protection.

Precautionary Statements - Response:
IF ON SKIN remove contaminated clothing and wash affected area with soap and water.
If skin irritation occurs, get medical help.
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.

Precautionary Statements - Storage:
Keep container tightly closed.
Precautionary Statements - Disposal:
Dispose of contents/containers at an approved waste disposal plant.

Hazards not otherwise classified (HNOC)
No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
Proprietary non-hazardous polymer resin	--	15 - 40
2-Ethyl-2-(hydroxymethyl)propane-1,3-diol	77-99-6	5 - 10
(2-methoxymethylethoxy)propanol	34590-94-8	5 - 10
2-dimethylamino-2-methylpropanol	7005-47-2	1 - 5
Dipropylene glycol monomethyl ether	34590-94-8	1 - 5
Propylidynetrimethanol, propoxylated, reaction products with ammonia	39423-51-3	0.5 - 1.5
1,3-bis(aminomethyl)cyclohexane	2579 -20-6	0.5 - 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 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, call physician or poison control center for most current information. If professional advice is not available, give two glasses of water for dilution; DO NOT induce vomiting; seek medical attention; never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed
None expected.

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 Chemical
Products of combustion include compounds of carbon, hydrogen, nitrogen and oxygen, including carbon monoxide.

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 with water spray to prevent container rupture due to steam buildup; contact with material may cause irritation to skin, eyes and respiratory tract. 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, mist, vapor, or spray.
Shut off source of leak if safe to do so. Wear gloves, protective eyewear and protective clothing.
Dike and contain product.

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 Materials for Containment and Cleaning Up
Use personal protective equipment as required. Stop flow of material if able to do so safely. Confine spill, soak up with clay, sand or other approved absorbent, shovel product into approved container for disposal. 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. Wash hands thoroughly after use. Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage, including any incompatibilities
Storage Conditions
Store locked up. Keep containers closed when not in use. Store upright in a cool, dry area away from direct sunlight and heat.

Incompatible materials
Strong oxidizers. Strong acids and alkali.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Ethyl-2-(hydroxymethyl)Propane-1,3-diol	Not established	Not established	Not established
(2-methyoxymethylethoxy)propanol	100ppm (TWA)	240 mg/m^3	Not established
2-dimethylamino-2-methylpropanol	Not established	Not established	Not established
Dipropylene glycol monomethyl ether	100ppm (TWA)	240 mg/m^3	Not established
Propylidynetrimethanol, propoxylated, reaction products with ammonia	Not established	Not established	Not established
1,3-bis(aminomethyl)cyclohexane	Not established	Not established	Not established

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	Colorless, Opaque
Odor	Slightly sweet
Melting Point	No information
Boiling Point	212° F (100° C)
Flammability	Not applicable
Upper Flammability Limit	No information
Lower Flammability Limit	No information
Flashpoint	>200°F (>93°C)
Auto-ignition Temperature	No information
Decomposition Temperature	No information
pH	9
Kinematic Viscosity	73.85 mm^2/s
Solubility (in water)	Totally Miscible
Partition Coefficient	Not applicable
Vapor Pressure	17 mmHg @ 20° C
Density	8.85 lb/gal
Vapor Density	> 1
Particle Characteristics	No information
Viscosity	2500cP
Volatile Organic Contents	No information

10. STABILITY AND REACTIVITY

Reactivity
Can react vigorously with strong oxidizers, strong acids, mineral and organic bases, primary and secondary aliphatic amines

Chemical Stability
Stable under normal conditions

Hazardous Reactions
May occur with excess of aliphatic amine curing agent

Conditions to Avoid
Extreme temperatures

Incompatible Materials
Strong oxidizers, strong acids, mineral and organic bases, primary and secondary aliphatic amines

Hazardous Decomposition Products
Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, nitrogen, hydrocarbons, fumes and smoke may be produced.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation Inhalation of gas, mist, or 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
No information available

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	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-ethyl-2-(hydroxymethyl)propane-1,3-diol	14,100 mg/kg (Rat)	--	--
(2-methoxymethylethoxy)propanol	5,350 mg/kg (Rat)	9,500 mg/kg (Rabbit)	--
2-dimethylamino-2-methylpropanol	25 mg/kg (Mouse)	--	--
Propylidynetrimethanol, propoxylated	550 mg/kg (Rat)	>1,000 mg/kg (Rat)	--
1,3-bis(aminomethyl)cyclohexane	200 – 2,000 mg/kg (Rat)	1,700 mg/kg (Rabbit)	--

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 data is calculated using Chapter 3 of the GHS document.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
EPIC Gloss Part A	16,726 mg/kg	721 mg/kg	--

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 believed to be harmful to aquatic organisms or to cause long-term adverse effects on the environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2-ethyl-2-(hydroxymethyl)propane-1,3-diol	--	--	--
(2-methoxymethylethoxy)propanol	EC_{50} >969 mg/L (72h Pseudokirchneriella subcapitata)	LC_{50} >1,000 mg/L (96h Poecilia reticulata)	LC_{50} = 1919 mg/L (48h Daphnia magna)
2-dimethylamino-2-methylpropanol	--	--	--
Propylidynetrimethanol, propoxylated	EC_{50} = 4.4 mg/L (72h Pseudokirchneriella subcapitata)	LC_{50} >100 mg/L (96h Oncorhynchus mykiss)	EC_{50} = 13 mg/L (48h Daphnia magna)
1,3-bis(aminomethyl)cyclohexane	EC_{50} = 56.7 mg/L (72h Selenastrum capricornutum)	LC_{50} = 130 mg/L (96h Leuciscus idus)	EC_{50} = 33.1 mg/L (48h Daphnia magna)

Chemical Name	Algae/aquatic plants	Fish	Crustacea
NF24 EPIC Part A Gloss	--	--	--

Persistence and Degradability
No information available

Bioaccumulation Potential

Chemical Name	Partition Coefficient n-ocatnol/water (Log P_{ow})
2-ethyl-2-(hydroxymethyl)propane-1,3-diol	-0.5
(2-methoxymethylethoxy)propanol	-0.064
2-dimethylamino-2-methylpropanol	Not established
Propylidynetrimethanol, propoxylated	Not established
1,3-bis(aminomethyl)cyclohexane	Not established

Assessment
Significant accumulation not expected.

Mobility in Soil
May be mobile in the environment due to its water solubility.

Other Adverse Effects
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 regulated for transport
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 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 because a Low Volume Exemption has been granted in accordance with 40 CFRR 723.50.

DSL / NDSL Components of this product identified by CAS number are listed on the DSL or NDSL and may or may not be listed in Section 2 of this document. Only ingredients classified as "hazardous" are listed in section 2 unless otherwise indicated.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any 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	No
Respiratory or Skin Sensitization	No
Germ Cell Mutagenicity	No
Serious Eye Damage/Irritation	Yes

CERCLA

This material, as supplied, contains no substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (40 CFR 302)

US State Regulations

California Proposition 65 – This product does not contain substances believed by the State of California to cause cancer, developmental, and/or reproductive harm.

State Right to Know – Massachusetts, New Jersey, Pennsylvania

International Regulations

Canada

WHMIS Classification Not Controlled

HM IS Hazard codes

Health	**1**
Fire	**0**

Reactivity **0**

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

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

Preparation Date	10-October-2024
Revision Date	22-April-2025
Revision Note	Updated Sections 2, 11, 14, and 15. General formatting updates.

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