

1. IDENTIFICATION

Product identifier

Product Name MC Epoxy Part A

Other means of identification

Part Number(s) 250101, 250501

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
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 corrosion/irritation	Category 2
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

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

Precautionary Statements – Prevention

Obtain, read, and follow all safety instructions before use.
Wash face, hands, and any exposed skin thoroughly after handling.
Wear protective gloves and eyewear, face protection and protective clothing.

Contaminated work clothing should not be allowed out of the workplace.
Avoid breathing fumes, mist, vapors, or spray.

Precautionary Statements – Response

IF ON SKIN: wash affected area(s) with plenty of soap and water. If irritation or rash occurs, seek medical help.
Take off contaminated clothing and wash 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, seek medical help.

IF EXPOSED or CONCERNED: seek medical advice

Precautionary Statements – Storage

Store locked up.

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS Number	Weight %
Bis A,Epichlorohydrin Epoxy	25068-38-6	60 - 100
Benzyl Alcohol	100-51-6	10 - 30
Mineral Spirits (Rule 66)	64742-47-8	1 - 5
Aromatic 100	64742-95-6	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 water for at least 15 minutes, lifting lower and upper eyelids as able. Remove contact lenses if present and easy to do. 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 or rash develops.

Inhalation

Remove victim to fresh air and keep comfortable for breathing.

Ingestion

Rinse mouth with water and drink plenty of water after. 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 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

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:

Dry powder. Foam. Carbon dioxide. Class "C" extinguishers.

Unsuitable extinguishing media

Use of water spray when fighting fire may be inefficient.

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.

Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene.

Avoid breathing fumes, mists, vapor, or 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 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, mists, vapors, or spray.

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

Will react rapidly in contact with amines.

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
Bis A,Epichlorohydrin Epoxy	Not established	Not established	Not established
Benzyl Alcohol	Not established	Not established	10 ppm
Mineral Spirits (Rule 66)	Not established	200 mg/m ³	Not established
Aromatic 100	Not established	200 mg/m ³	500 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 exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear and colorless to slightly cloudy
Odor	Mild
Melting point	No information
Boiling point	≥ 80°C/ ≥ 176°F
Flammability	No information
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	< 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	9.41 lbs/gal
Relative Density	1.13
Percent solids by weight	81.9%
Percent volatile by weight	18.1%
Percent solids by volume	79.8%
Actual VOC	1.7 lb/gal / 203.8 g/L

10. STABILITY AND REACTIVITY

Reactivity

This product is non-reactive under normal conditions of use, storage, and transport.

Chemical stability

Stable under recommended storage conditions.

Hazardous reactions

None under normal conditions of use.

Conditions to avoid

Extremes of temperature and direct sunlight.
Avoid contact with hot surfaces. Heat. No flames, no sparks.

Incompatible materials

Will react rapidly with amines.

Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Inhalation of gas, mist, or vapor.
Eye contact	Liquid material splash or gas, mist or vapor.
Skin Contact	Liquid material splash.
Ingestion	Liquid material.

Symptoms related to physical, chemical, and toxicological characteristics

Skin irritation followed by rash development. Skin sensitization may occur.
Eye irritation.

Delayed and immediate effects, including chronic effects from short- and long-term exposure

Prolonged or repeated skin contact exposure may lead to skin sensitization.

Numerical Values of Toxicity – Component Information

Chemical name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Bis A, Epichlorohydrin Epoxy	11,400 mg/kg (Rat)	--	--
Benzyl Alcohol	1,230 mg/kg (Rat)	2,000 mg/kg (Rabbit)	8.8 mg/L (Rat, 4h)
Mineral Spirits (Rule 66)	> 5,000 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	> 5.2 mg/L (Rat, 4h)
Aromatic 100	8,400 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	3,400 ppm (Rat, 4h)

Skin Corrosion/Irritation	May cause irritation and rash.
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 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
MC Epoxy Part A	2,834 mg/kg	2,299 mg/kg	5.68 mg/L

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

Interactive Effects

No information available.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

This product is considered toxic to aquatic life with long lasting adverse effects on the environment. 0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Bis A, Epichlorohydrin Epoxy	--	LC ₅₀ = 1.41 mg/L	EC ₅₀ = 2 mg/L (Daphnia magna)
Benzyl Alcohol	EC ₅₀ = 35 mg/L (Anabaena variabilis, 3h)	LC ₅₀ = 460 mg/L (Pimephales promelas, 96h, static) LC ₅₀ = 10 mg/L (Lepomis macrochirus, 96h, static)	EC ₅₀ = 23 mg/L (water flea, 48h)
Mineral Spirits (Rule 66)	-	LC ₅₀ = 45	LC ₅₀ = 4,720 mg/L

		(Pimephales promelas, 96h, flow-through) LC ₅ = 2.4 mg/L (Oncorhynchus mykiss, 96h, static) LC ₅₀ = 2.2 mg/L (Lepomis macrochirus, 96h, static)	(Den-dronoreides heteropoda, 96h)
Aromatic 100	-	LC ₅₀ = 9.22 mg/L (Oncorhynchus mykiss, 96h)	EC ₅₀ = 6.14 mg/L (Daphnia magna, 48h)

Persistence and degradability

Not readily degradable.

Bioaccumulation Potential

Chemical name	Partition Coefficient n-octanol/water (Log P _{ow})
Bis A Epichlorohydrin Epoxy	2.821
Benzyl Alcohol	1.1
Mineral Spirits (Rule 66)	--
Aromatic 100	--

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 regulations. Do not discharge product into sewer system, ground water, or bodies of water.

Contaminated packaging

Do not reuse container.

US EPA Waste Number

U019 U055 U165 U220 U239

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 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.

DSL All components of this product are listed on the DSL Inventory or are exempted from listing.

US Federal Regulations

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

SARA 313

Section 313 of the 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	Yes
Reproductive Toxicity	No
Respiratory or Skin Sensitization	Yes - Skin
Germ Cell Mutagenicity	Yes
Serious Eye Damage/Irritation	Yes

US State Regulations

California Proposition 65 – This product may expose users to chemicals which are known to the State of California to cause cancer and/or genetic defects.

Chemical name	California Proposition 65
Ethyl Benzene - 100-41-4	Carcinogen
Cumene - 98-82-8	Carcinogen
Toluene - 108-88-3	Developmental
Benzene(including benzene from gasoline) - 71-43-2	Carcinogen
	Developmental
Naphthalene - 91-20-3	Male Reproductive
	Carcinogen

State Right to Know – Massachusetts (Benzyl Alcohol, Xylene), New Jersey (Xylene), Pennsylvania (Benzyl Alcohol)

NFPA Hazard codes

Health	1
Fire	1
Reactivity	0

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

Preparation Date	24-Feb-2023
Revision Date	18-June-2025
Revision Note	General formatting updates. Updated sections 1, 2, 3, 4, 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