

## 1. IDENTIFICATION

**Product identifier**

**Product Name** MC-UV Epoxy Part A

**Other means of identification**

**Part Number(s)** 254505, 254503

**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 6<sup>th</sup> 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 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
N'-(4-Ethoxycarbonylphenyl)-N-methyl-N-phenylformamidine	57834-33-0	1 - 5
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 upper and lower 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 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 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 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
N'-(4-Ethoxycarbonylphenyl)-N-methyl-N-phenylformamidine	No Limit	No Limit	No Limit
Mineral Spirits (Rule 66)	Not established	200 mg/m <sup>3</sup>	Not established
Aromatic 100	Not established	200 mg/m <sup>3</sup>	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**

<b>Physical state</b>	Liquid
<b>Color</b>	Clear and colorless to slightly cloudy
<b>Odor</b>	Mild
<b>Melting point</b>	No information
<b>Boiling point</b>	≥ 80°C/ ≥ 176°F
<b>Flammability</b>	No information
<b>Upper flammability limit</b>	No information
<b>Lower flammability limit</b>	No information
<b>Flash point</b>	>94°C/ >201°F
<b>Autoignition Temperature</b>	No information
<b>Decomposition temperature</b>	No information
<b>pH</b>	< 10
<b>Dynamic Viscosity</b>	500 cP
<b>Kinematic Viscosity</b>	479.621 mm <sup>2</sup> /s
<b>Solubility</b>	No information
<b>Partition coefficient n-octanol/water (Log Pow)</b>	No information
<b>Vapor pressure</b>	No information
<b>Density</b>	9.41 lbs/gal
<b>Relative Density</b>	1.13
<b>Percent solids by weight</b>	82.2%
<b>Percent volatile by weight</b>	17.8%
<b>Percent solids by volume</b>	79.8%
<b>Actual VOC</b>	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 LD50	Dermal LD50	Inhalation LC50
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)
N'-(4-Ethoxycarbonylphenyl)-N-methyl-N-phenylformamidinium	1,000 mg/kg (Rat)	--	--
Mineral Spirits (Rule 66)	> 5,000 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
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 <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
MC Epoxy Part A	4,675 mg/kg	2,310 mg/k	9.01 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 <sub>50</sub> = 1.41 mg/L	EC <sub>50</sub> = 2 mg/L (Daphnia magna)
Benzyl Alcohol	EC <sub>50</sub> = 35 mg/L (Anabaena variabilis, 3h)	LC <sub>50</sub> = 460 mg/L (Pimephales promelas, 96h, static) LC <sub>50</sub> = 10 mg/L (Lepomis macrochirus, 96h, static)	EC <sub>50</sub> = 23 mg/L (water flea, 48h)
N'-(4-Ethoxycarbonylphenyl)-N-methyl-N-phenylformamidinium	--	LC <sub>50</sub> = 45 mg/L (Zebra fish, 96h)	--
Mineral Spirits (Rule 66)	--	LC <sub>50</sub> = 45 (Pimephales promelas, 96h, flow-through) LC <sub>50</sub> = 2.4 mg/L	LC <sub>50</sub> = 4,720 mg/L (Den-dronoreides heteropoda, 96h)

		(Oncorhynchus mykiss, 96h, static) LC <sub>50</sub> = 2.2 mg/L (Lepomis macrochirus, 96h, static)	
Aromatic 100	--	LC <sub>50</sub> = 9.22 mg/L (Oncorhynchus mykiss, 96h)	EC <sub>50</sub> = 6.14 mg/L (Daphnia magna, 48h)

**Persistence and degradability**

Not readily degradable.

**Bioaccumulation Potential**

Chemical name	Partition Coefficient n-octanol/water (Log P <sub>ow</sub> )
Bis A Epichlorohydrin Epoxy	2.821
Benzyl Alcohol	1.1
N'-(4-Ethoxycarbonylphenyl)-N-methyl-N-phenylformamidine	--
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**

<b>TSCA</b>	All components of this product are listed on the TSCA Inventory or are exempted from listing.
<b>DSL</b>	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 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**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No
<b>Carcinogenicity</b>	Yes
<b>Reproductive Toxicity</b>	No
<b>Respiratory or Skin Sensitization</b>	Yes - Skin
<b>Germ Cell Mutagenicity</b>	Yes
<b>Serious Eye Damage/Irritation</b>	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.

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Carcinogen	Ethylene Benzene, Cumene, Benzene, Naphthalene
Developmental	Toluene, Benzene
Male Reproduction	Benzene

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

**NFPA Hazard codes**

<b>Health</b>	<b>1</b>
<b>Fire</b>	<b>1</b>
<b>Reactivity</b>	<b>0</b>

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

Preparation Date	01-Jan-2023
Revision Date	21-July-2025
Revision Note	General formatting updates; Updated sections 1, 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