

## 1. IDENTIFICATION

**Product identifier**

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

**Other means of identification**

**Part Number(s)** 254506, 254504

**Recommended use of the chemical and restrictions on use**

**Recommended use** Epoxy curative; 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  
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)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Reproductive toxicity	Category 2
Carcinogenicity	Category 2
Flammable liquids	Category 4

**GHS Label elements, including precautionary statements**



Signal Word **Danger**

**Hazard statements**

Harmful if swallowed.  
Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
Suspected of damaging fertility or the unborn child.  
Suspected of causing cancer.  
Combustible liquid.

**Precautionary Statements – Prevention**

Obtain, read, and follow all safety instructions before use.  
 Wear protective gloves and clothing, eye and face protection.  
 Do not breathe fumes, dusts, vapors, or mists.  
 Wash face, hands, and any exposed skin thoroughly after handling.  
 Do not eat, drink, or smoke when using this product.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

**Precautionary Statements – Response**

IF INGESTED: Rinse mouth with water. Do NOT induce vomiting. Seek medical attention.  
 IF ON SKIN: wash with plenty of water for several minutes. Immediately take off all contaminated clothing; wash before reuse. Seek emergency medical help immediately.  
 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. Seek medical attention.  
 IF EXPOSED or CONCERNED: seek medical advice.  
 See Section 4, First Aid Measures, for specific treatment instructions.

**Precautionary Statements - Storage**

Store locked up.  
 Store in a well-ventilated place. Keep cool.

**Precautionary Statements - Disposal**

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS #	Weight %
4-Nonyl-Phenol, Branched	84852-15-3	30 - 60
Polyoxypropylenediamine	9046-10-0	15 - 40
2-Methylpentamethylenediamine	15520-10-2	10 - 30
2,2' -[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	1675-54-3	7 - 13
N'-(4-Ethoxycarbonylphenyl)-N-methyl-N-phenylformamidine	57834-33-0	0.5 – 1.5
Solvent Naptha, light aromatic	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**

Immediately flush with plenty of 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.

**Skin Contact**

Immediately remove contaminated clothing and flush skin with soap and water. Wash contaminated clothing before reuse or discard. Seek immediate medical attention.

**Inhalation**

Remove victim to fresh air and keep comfortable for breathing. If respiratory irritation is present, seek medical attention.

**Ingestion**

Immediately rinse mouth with water and drink plenty of water after. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical advice.

**Most important symptoms and effects, both acute and delayed**

Severe eye irritation.  
 Skin irritation, rash, redness.

**Immediate medical attention and special treatment, if necessary**

Immediately rinse skin and eyes if contact is made.

**Note to 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. Keep people away from and upwind of spill/leak.

Remove sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges.

**Environmental precautions**

Avoid release to the environment. Do not allow products 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 or use local exhaust ventilation. Avoid contact with skin and eyes. Avoid breathing fumes, mists, vapors, or spray. All equipment used when handling the product must be grounded. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Store in a cool, dry, well-ventilated place away from heat, sparks, flames, and other ignition sources. Avoid static electricity discharge. Store away from direct sunlight. Store locked up. Keep containers tightly closed and properly labelled.

**Incompatible materials**

Will react rapidly in contact with epoxies.

## 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
4-Nonyl-Phenol, Branched	Not established	Not established	Not established
Polyoxypropylenediamine	No Limit	No Limit	No Limit

2-Methylpentamethylenediamine	No Limit	No Limit	No Limit
2,2' -[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	No Limit	No Limit	No Limit
N'-(4-Ethoxycarbonylphenyl)-N-methyl-N-phenylformamidine	No Limit	No Limit	No Limit
Solvent naptha, light aromatic	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** 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 yellow
<b>Odor</b>	Moderate amine-like
<b>Melting point</b>	No information
<b>Boiling point</b>	≥ 34°C/ ≥ 93°F
<b>Flammability</b>	No information
<b>Upper flammability limit</b>	No information
<b>Lower flammability limit</b>	No information
<b>Flash point</b>	83°C/181°F
<b>Autoignition Temperature</b>	No information
<b>Decomposition temperature</b>	No information
<b>pH</b>	No information
<b>Dynamic Viscosity</b>	500 cP
<b>Kinematic Viscosity</b>	No information
<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>	8.07 lbs/gal
<b>Relative Density</b>	No information
<b>Percent solids by weight</b>	99.5%
<b>Percent volatile by weight</b>	0.5%
<b>Percent solids by volume</b>	99.5%
<b>Actual VOC</b>	4.7 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 epoxies.

**Hazardous decomposition products**

No information available.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

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

**Symptoms related to the physical, chemical and toxicological characteristics**

Skin irritation followed by rash development, redness, or swelling. Skin sensitization may occur.  
Severe irritation to the eyes followed by damage of the cornea with prolonged/repeated exposure.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

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

**Numerical Values of Toxicity – Component Information**

Chemical name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
4-Nonyl-Phenol, Branched	= 1,300 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	> 20 mg/L
Polyoxypropylenediamine	= 3,069 mg/kg (Rat)	= 3,170 mg/kg (Rabbit)	> 0.74 mg/L (Rat, 8h)
2-Methylpentamethylenediamine	= 1,170 mg/kg (Rat)	= 1,870 (Rabbit)	= 4.9 mg/L (Rat, 1 hr)
2,2' -[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	> 2,000 mg/kg (Rat)	> 2,000 mg/kg (Rat)	--
N'-(4-Ethoxycarbonylphenyl)-N-methyl-N-phenylformamidine	1,000 mg/kg	--	--
Solvent naphtha, light aromatic	= 3,492 mg/kg	> 3,160 mg/kg	> 20 mg/L

<b>Skin Corrosion/Irritation</b>	May cause irritation and rash. Sensitization may occur.
<b>Serious Eye Damage/Irritation</b>	May cause serious eye irritation or damage to the cornea.
<b>Respiratory or Skin Sensitization</b>	May cause skin irritation/rash leading to allergic skin reaction.
<b>Germ Cell Mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Product contains one or more ingredients suspected of causing cancer.
<b>Reproductive Toxicity</b> unborn child.	Product contains one or more ingredients suspected of causing harm to the
<b>STOT – Single Exposure</b>	Not classified
<b>STOT – Repeated Exposure</b>	Not classified
<b>Aspiration Hazard</b>	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-UV Epoxy Part B	1,682.41 mg/kg	2,554.15 mg/kg	60.70 mg/L

<b>Acute Toxicity (oral)</b>	May cause distress of the digestive system if swallowed.
<b>Acute Toxicity (dermal)</b>	Not classified.
<b>Acute Toxicity (inhalation)</b>	Not classified.

**Interactive Effects**

No information available

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Very toxic to aquatic life with long lasting effects. This product contains a chemical which is listed as a marine pollutant according to DOT.

Chemical name	Algae/aquatic plants	Fish	Crustacea
4-Nonyl-Phenol, Branched	LC <sub>50</sub> = 0.42 mg/L (Pseudokirchneriella subcapitata, 96h) EC <sub>50</sub> = 1.3 mg/L (Desmodesmus subspicatus, 72h) EC <sub>50</sub> = 0.44 mg/L (Pseudokirchneriella subcapitata, 72h)	LC <sub>50</sub> = 35mg/L (Pimephales promelas, 96h) LC <sub>50</sub> = 0.1351 mg/L (Lepomis macrochirus, 96 h)	EC <sub>50</sub> = 0.14 mg/L (Daphnia magna, 48 hr)
Polyoxypropylenediamine	EC <sub>50</sub> = 141.72 mg/L (Skeletonema costatum, 72h)	EC <sub>50</sub> > 15 mg/L (Oncorhynchus mykiss, 96h) LC <sub>50</sub> = 772.14 mg/L (96h)	EC <sub>50</sub> = 80 mg/L (Daphnia magna, 48h) EC <sub>50</sub> = 418.34 mg/L (Acartia tonsa, 48h)
2-Methylpentamethylenediamine	EC <sub>50</sub> > 100 mg/L (72h)	LC <sub>50</sub> = 1825	EC <sub>50</sub> = 19.8 mg/L (Daphnia magna, 48h)
2,2' -[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	EC <sub>50</sub> = 9.4 mg/L (Sellenastrum capricornutum, 72h)	LC <sub>50</sub> = 1.5 mg/L (Oncorhynchus mykiss, 96h)	EC <sub>50</sub> = 2.7 mg/L (Daphnia magna, 48h)
N'-(4-Ethoxycarbonylphenyl)-N-methyl-N-phenylformamidine	--	LC <sub>50</sub> = 45 mg/L (Zebra fish, 9*6h)	--
Solvent naphtha, light aromatic	--	--	--

**Persistence and degradability**

Not readily biodegradable

**Bioaccumulation**

Chemical name	Partition Coefficient n-octanol/water (Log P <sub>ow</sub> )
4-Nonyl-Phenol, Branched	--
Polyoxypropylenediamine	1.34
2-Methylpentamethylenediamine	< 1
2,2' -[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	3.8
N'-(4-Ethoxycarbonylphenyl)-N-methyl-N-phenylformamidine	--
Solvent naphtha, light aromatic	--

**Assessment**

No information available.

**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 waste**

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**

U055 U239

### 14. TRANSPORT INFORMATION

**UN Number**

UN1719

**UN Proper Shipping Name**

Caustic alkali liquid, n.o.s. (Polyoxypropylenediamine)

<b>Transport Hazard Class(es)</b>	
DOT	8
TDG	8
MEX	8
ICAO (air)	8
IMDG	8
IATA	8
RID	8
ADR	8
ADN	8
<b>Packing Group</b>	
DOT	III
TDG	III
MEX	III
ICAO (air)	III
IMDG	III
IATA	III
RID	III
ADR	III
ADN	III
<b>Environmental Hazards</b>	Marine pollutant
<b>Special Precautions for User</b>	
DOT	IB3, T7, TP1, TP28
TDG	16
MEX	223, 274
ICAO	A3
IATA	A3, A803
IMDG	223, 274
RID	274
ADR	274
ADN	274
<b>Emergency Response Guide Number</b>	154
<b>IATA ERG Code</b>	8L
<b>IMDG EmS-No</b>	F-A, S-B
<b>RID/ADR/ADN Classification code</b>	C5
<b>ADR Tunnel restriction code</b>	(E)

**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/NDSL** All components of this product are listed on the TSCA 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 contains a chemical that is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations. Part 372.

Chemical name	SARA 313 - Threshold Values %
4-Nonyl-Phenol, Branched	1.0

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes - Oral  
**Chronic Health Hazard** No

Fire Hazard	Yes – Category 4 Combustible Liquid
Sudden Release of Pressure Hazard	No
Reactive Hazard	No
Carcinogenicity	Yes
Reproductive Toxicity	Yes
Respiratory or Skin Sensitization	Yes - Skin
Germ Cell Mutagenicity	No
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
Propylene oxide - 75-56-9	Carcinogen

**HMIS Hazard codes**

Health	3
Fire	2
Reactivity	0

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

Preparation Date	01-Jan-2023
Revision Date	4-August-2025
Revision Note	General formatting updates; Updated sections 1, 2 (removed acute toxicity – dermal classification), 3 (Composition change), 8, 11 (acute toxicity calculated), 12 (aquatic toxicity added), 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