

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Identifier:</b>	Maxxon <sup>®</sup> Commercial MVP Two-Part Epoxy – Part B
<b>Recommended uses:</b>	Used to protect underlayments and floor coverings from the damaging effects of moisture vapor through concrete slabs.
<b>Restrictions on uses:</b>	Use only as directed on product label.
<b>Supplier:</b>	Maxxon Corporation, 920 Hamel Road • PO Box 253 • Hamel, MN 55340
<b>Company Telephone/Fax:</b>	(763) 478-9600 / (763) 478-2431
<b>Emergency Telephone Number:</b>	Within USA & Canada (800) 424-9300 (CHEMTREC) USA & Canada +1 703-527-3887 (CHEMTREC)

**2. HAZARDS IDENTIFICATION**

**Health Hazards**

Skin Corrosion	Category 1A
Eye Damage	Category 1
Skin Sensitization	Sub-Category 1B
Acute Toxicity, Oral	Category 4
Acute Toxicity, Dermal	Category 4
Aquatic Toxicity	Category 3

**Hazard Pictograms**



<b>Signal Word:</b>	Danger!
<b>Hazard Statement:</b>	Harmful in contact with skin or if swallowed. Causes severe skin burns and eye damage. May cause respiratory tract irritation. Very toxic to aquatic life with long lasting effects.

**Precautionary statement**

<b>Prevention:</b>	Avoid breathing dust/fume/gas/mist/vapors/spray. Wash skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response:</b>	If on skin: Wash with plenty of soap and water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If inhaled: remove person to fresh air and keep comfortable for breathing. If swallowed: Rinse mouth. Do not induce vomiting. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
<b>Disposal:</b>	Dispose of contents/container to an approved waste disposal plant.
<b>Other Hazards:</b>	No data available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENTS	CAS#	PERCENT/WT.
Phenalkamine	868765-93-9	10-30%
1,3-Cyclohexanedimethanamine	002579-20-6	10-30%
Benzyl Alcohol	000100-51-6	10-30%
Epoxy Polyamine Adduct	Not Available	10-30%

**4. FIRST AID MEASURES**

**General Advice:** Remove person from affected area and make comfortable. Treat symptomatically.

**Eyes:** Flush eyes with water at least 15 minutes. Get medical attention.

**Skin:** Remove product and flush affected area with water for 15 minutes. If irritation persists, get medical attention.

**Inhalation:** Move to fresh air. Give assisted respiration if breathing has stopped or is labored (Call a physician).

**Ingestion:** Give 3-4 glasses of water or milk if person is conscious. Do Not Induce Vomiting! Obtain medical care and treatment.

**5. FIRE FIGHTING MEASURES**

**Flash Point:** 121°C (250°F) PMCC

**Conditions of Flammability:** N/A

**Flammable Limits:** LEL: NE UEL: NE

**Auto Ignition Temp:** NA

**OSHA Class:** IIIIB

**Sensitivity to Impact:** None

**Hazardous Combustion Products:** CO, CO<sub>2</sub>, HN<sub>3</sub>, Nitrogen oxides can be produced if heated, burned, or reacted with incompatible materials. Nitrogen oxides can react with water vapors to form corrosive nitric acid.

**Sensitivity to Static Discharge:** None

**Extinguishing media:** Igniting may give rise to A class B fire. In case of fire use: Water, fog, carbon dioxide, dry chemical, alcohol foam.

**5. FIRE FIGHTING MEASURES** *Continued*

**Special Fire Fighting Procedures:** None likely with small quantities. For large quantities, firefighters and others exposed to vapors or products of combustion should wear butyl rubber boots, globes, and body suit. Self-contained breathing apparatus should be worn.

**Unusual Fire and Explosive Hazards:** May generate toxic or irritating combustion products. Sudden reaction and fire may result if product is mixed with an oxidizing agent.

**6. ACCIDENTAL RELEASE MEASURES**

**Steps to be taken in case of material is released or spilled:** Shut off sources of ignition. Cover spills with absorbent. Place in metal containers for recovery or disposal. Prevent entry into sewers, storm drains, and waterways.

**7. HANDLING AND STORAGE**

**Handling:** Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment. When sing do not eat, drink, or smoke.

**Storage:** Keep away from oxidizers, heat, or flame. Store in steel container. Do not store near acids. Keep containers tightly closed in dry, cool, and well-ventilated place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits (ppm):**

INGREDIENTS	OSHA		ACGIH		OTHER
	TWA	STEL	TWA	STEL	
868765-93-9	NE	NE	NE	NE	
002579-20-6	NE	NE	NE	NE	
000100-51-6	NE	NE	NE	NE	
025154-52-3	NE	NE	NE	NE	

**Legend:** (M) Max. Exposed Limit; (S) Occupational Exp. Limit; (R) Suppliers Rec. Limit, (+) Percutaneous Risk Note1: Values meaningful only when hardened product is abraded, grounded, etc

**Engineering Controls:** No specific controls needed. General and local exhaust recommended.

**Respiratory Protection:** None required in adequately ventilated areas. If vapor concentration exceeds 20ppm for longer than 15 minutes, a NIOSH approved respirator for organic vapors is recommended.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION** *Continued*

<b>Protective Gloves:</b>	Nitrile Rubber.
<b>Eye Protection:</b>	Splash-proof goggles or chemical safety glasses.
<b>Other Protective Equipment:</b>	Long sleeved shirts and trousers. Emergency showers and eye wash stations should be readily accessible.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	Amber
<b>Color:</b>	Amber
<b>Odor:</b>	Ammoniacal
<b>Odor threshold:</b>	ND
<b>pH:</b>	NE (Alkaline)
<b>Melting point</b>	0°C (32° F)
<b>Boiling point/boiling range</b>	260°C (500°F)
<b>Evaporation rate</b>	ND (Butyl Acetate=1)
<b>Vapor pressure</b>	ND
<b>Vapor density</b>	ND (Air = 1)
<b>Specific gravity</b>	0.95 – 1.05
<b>% Solids by weight</b>	100%
<b>Solubility in water</b>	<1%
<b>% Volatiles by volume</b>	0%
<b>Coefficient of water /oil distribution</b>	ND

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**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Avoid elevated temperatures
<b>Incompatibility (Material to Avoid):</b>	Oxidizing agents (Perchlorates, nitrates), acids
<b>Decomposition Products:</b>	None known
<b>Hazardous Polymerization (Reactivity):</b>	Will not occur

**11. TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure:** Eye contact, skin contact inhalation, ingestion.

**Eyes:**  
 Acute: Severe irritant. May cause burns. Vapor may cause lacrimation and reversible corneal edema.  
 Chronic: Conjunctivitis or corneal damage.

**Skin Contact:**  
 Acute: Undiluted product quickly causes irritation. May cause chemical burns.  
 Chronic: May cause allergic reaction/sensitization, defatting of skin, rash and irritation.

**Skin Absorption:**  
 Acute: ND  
 Chronic: ND

**Inhalation:**  
 Acute: Vapors may cause damage to contacted tissue and produce scarring.  
 Chronic: Repeated and/or prolonged exposure can cause tightness of chest, shortness of breath and cough.

**Acute Toxicity:** No data on the product itself.

**Acute Oral Toxicity:**

COMPONENTS		
1,3 Cyclohexanamine	LD50: 700mg/kg	Species: Rat
Benzyl Alcohol	LD50: 1230mg/kg	Species: Rat
Nonylphenol	LD50: 1604mg/kg	Species: Rat

**Acute Dermal Toxicity:**

COMPONENTS		
1,3 Cyclohexanamine	LD50: 1700mg/kg	Species: Rabbit
Benzyl Alcohol	LD50: 2000mg/kg	Species: Rabbit
Nonylphenol	LD50: 2031mg/kg	Species: Rat

**Acute Inhalation Toxicity:**

COMPONENTS		
1,3 Cyclohexanamine	ND	-
Benzyl Alcohol	LC50 (4HR): >4.178mg/l OECD Test Guideline 403	Species: Rat
Nonylphenol	ND	-

**11. TOXICOLOGICAL INFORMATION** *Continued*

<b>Skin Corrosion/Irritation:</b>	Severe Eye Irritation
<b>Serious Eye Damage/Eye Irritation:</b>	May cause eye irritation. Corneal injury is unlikely.
<b>Sensitization:</b>	For similar material(s): Has caused allergic skin reactions in humans. Has demonstrated the potential for contact allergy in mice.
<b>For respiratory sensitization:</b>	Not classified but possible due to skin sensitization effect.
<b>Specific Target Organ Systemic Toxicity (Single Exposure):</b>	ND
<b>Specific Target Organ Systemic Toxicity (Repeated Exposure):</b>	ND
<b>Carcinogenic Data:</b>	
NTP:	None
OSHA:	None
IARC:	None
Teratogenicity:	No
Mutagenicity:	No
Embryotoxicity:	No
Synergistic Material:	No

**12. ECOLOGICAL INFORMATION**

**Acute Toxicity:** No data on the product itself

**Acute Toxicity to Fish:**

COMPONENTS		
1,3 Cyclohexanamine	LD50 (96 HRS): 130mg/l	Species: Golden Orfe
Benzyl Alcohol	LD50 (96 HRS): 460mg/l	Species: Fathead Minnow
Nonylphenol	LD50 (96 HRS): 0.14mg/l	Species: Pimephales Promelas

**12. ECOLOGICAL INFORMATION** *Continued*

**Acute Toxicity to Aquatic Invertebrates:**

COMPONENTS		
1,3 Cyclohexanamine	EC50 (72 HRS): 33.1 mg/l	Species: Daphnia Magna
Benzyl Alcohol	EC50 (72 HRS): 12 mg/l	Species: Daphnia Magna
Nonylphenol	EC50 (48 HRS): 0.035 mg/l	Species: Daphnia Magna

**Acute Toxicity to Algae/Aquatic Plants:**

COMPONENTS		
1,3 Cyclohexanamine	EC50 (72 HRS): 56.7 mg/l	Species: Fresh Water Algae
Benzyl Alcohol	EC50 (72 HRS): 700 mg/l	Species: Fresh Water Algae
Nonylphenol	LC50 (72 HRS): 0.056 mg/l	Species: Fresh Water Algae

**Toxicity to Bacteria:**

COMPONENTS		
1,3 Cyclohexanamine	EC50: > 1000mg/l	Activated Sludge
Benzyl Alcohol	ND	Species: Fresh Water Algae
Nonylphenol	EC50: > 950mg/l	Activated Sludge

**Chronic Toxicity to Aquatic Invertebrates:**

Long lasting adverse effects to aquatic organisms.

**Persistence and Degradability**

**Biodegradability:**

Based on stringent OECD test guidelines, this material cannot be considered readily biodegradable: However, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

**Biodegradation:**

29%

**Exposure Time:**

28 Days

**Method:**

OECD test guideline 301B or equivalent

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**12. ECOLOGICAL INFORMATION** *Continued*

**Bioaccumulation Potential**

Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3000 or log Pow between 3 and 5).

Partition Coefficient: N-Octanol/Water (Log Pow): 3.16 @21.5°C estimated.

**Mobility in Soil:**

Product is soluble in water.

Partition Coefficient (Koc): 1.473 estimated

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**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:**

Incineration is preferred. This product should not be allowed to enter drains, water courses, or the soil. Place in an appropriate disposal facility in compliance with all federal, state, and local regulations.

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**14. TRANSPORTATION INFORMATION**

**DOT Proper Shipping Name:** Amines, Liquid, Corrosive, N.O.S. (1,3-Cyclohexanedimethanamine)

Hazard Class: 8

UN Number: UN 2735

Packaging Group: III

**IMO Shipping Data:** UN2735, amines, liquid, corrosive, N.O.S. (1,3-Cyclohexanedimethanamine), 8, PG III

**ICAO/IATA Shipping Data:** UN2735, amines, liquid, corrosive, N.O.S. (1,3-Cyclohexanedimethanamine), 8 PG III

**Additional Information:** None

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**15. REGULATORY INFORMATION**

**VOC Component:** 0 grams/Liter

**As Applied:** 0 grams/Liter (Part of Multi-Component System).

**TACA (Toxic Substance Control Act):** All components are listed in the TSCA chemical substance inventory.

**CERCLA (Comprehensive Response Compensation and Liability Act):** ND

**Sara Title III**

Section 312 Hazard Class: Immediate (Acute) health hazard, delayed (chronic) health hazard.

Section 313 Listed Ingredients: None

**California Proposition 65:** The below listed of compounds is known to the state of California to cause cancer, birth defects or other reproductive harm: None.



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**16. OTHER INFORMATION**

**HMIS**

Health hazards 2

Flammability 1

Reactivity 1

**Product List:** Maxxon Commercial MVP Two-Part Epoxy Part B

**Issue Date:** October 2020

**Version:** 02

**Revision Date:** December 2021

**Prepared by:** Maxxon Corporation

*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.*