

1. PRODUCT AND COMPANY IDENTIFICATION

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

2. HAZARDS IDENTIFICATION

Classification: Hazardous

Health Hazards

Eye Irritation	Category 2A
Skin irritation	Category 2
Skin Sensitization	Sub-Category 1B
Germ Cell Mutagenicity	Category 2
Acute Aquatic Toxicity	Category 2
Chronic Aquatic Toxicity	Category 2

Hazard Pictograms



Signal Word: Warning!

Hazard Statement: Causes skin irritation. May cause allergic skin reaction. Causes serious eye irritation. Suspected of causing genetic defects. Toxic to aquatic life with long lasting effects.

Response: Immediately call a POISON CENTER or doctor/physician. Specific treatment see supplemental first aid information. Rinse mouth. Wash contaminated clothing before reuse.

Precautionary statement

Prevention: Obtain special instructions before use. Do not handle until safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash 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. Avoid release to environment. Wear protective gloves/protective clothing/eye protection/face protection.

2. HAZARDS IDENTIFICATION *Continued*

Response: If exposed or concerned: Get medical advice/attention. 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 skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.

Storage: Store locked up.

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

Other Hazards: No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS#	PERCENT/WT.
4,4' Isopropylidiphenol-Epichlorohydrin Copolymer	025068-38-6	30-60%
Phenol-Formaldehyde Polymer Glycidal Ether	028064-14-4	30-60%
O-Cresyl Glycidyl Ether	002210-79-9	10-30%
Benzyl Alcohol	000100-51-6	1-5%

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:	93°C (199°F) TCC
Conditions of Flammability:	N/A
Flammable Limits:	LEL: ND UEL: ND
Auto Ignition Temp:	ND
OSHA Class:	Not regulated
Hazardous Combustion Products:	CO, CO ₂ , Aldehydes, Acids
Sensitivity to Impact:	ND
Sensitivity to Static Discharge:	ND
Extinguishing media:	Igniting may give rise to A class B fire. In case of fire use: Water, fog, carbon dioxide, dry chemical, alcohol foam.
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus and protective clothing. Water spray is useful in cooling fire-exposed vessels and in dispersing vapors.
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.
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7. HANDLING AND STORAGE

General:	Store in cool, well ventilated areas. Keep away from heat and open flames. Avoid prolonged inhalation of heated vapors or mists. Avoid prolonged skin contact.
Storage:	Avoid temperature extremes. Store away from excessive heat, from sources of ignition and from reactive materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits (ppm):

INGREDIENTS	OSHA		ACGIH		OTHER
	TWA	STEL	TWA	STEL	
025068-38-6	NE	NE	NE	NE	
028064-14-4	NE	NE	NE	NE	
002210-79-9	NE	NE	NE	NE	
000100-51-6	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.

Protective Gloves:

Nitrile Rubber.

Eye Protection:

Splash-proof goggles or chemical safety glasses.

Other Protective Equipment:

Long sleeved shirts and trousers. Emergency showers and eye wash stations should be readily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Appearance:	Clear to hazy
Color:	Amber
Odor:	Mild
Odor threshold:	ND
pH:	N/A
Melting point:	ND
Boiling point/boiling range:	>120°C (199°F)
Evaporation rate:	>1 (Butyl Acetate=1)
Vapor pressure:	>0.13 kPA @ 20 C (68 F)
Vapor density:	ND (Air = 1)
Specific gravity:	1.1 – 1.2
% Solids by weight:	100%
Solubility in water:	Insoluble
% Volatiles by volume:	0%
Coefficient of water /oil distribution:	ND

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Not applicable (material is stable).
Incompatibility (Material to Avoid):	Oxidizing agents (Perchlorates, nitrates), strong acids, hypochlorites, peroxides Hazardous.
Decomposition Products:	CO, CO ₂ .
Hazardous Polymerization (Reactivity):	Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Acute Oral Toxicity:	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. LD50, RAT>15,000mg/kg.
Acute Dermal Toxicity:	Prolonged skin contact is unlikely to result in absorption of harmful amounts. LD50, Rabbit>23,000mg/kg.
Acute Inhalation Toxicity:	At room temperature, exposure to vapor is minimal due to low volatility. Vapor from heated materials, mist or aerosols may cause respiratory irritation. LD50 has yet to be determined.

Skin Corrosion/Irritation: Prolonged contact may cause skin irritation with local redness. Repeated contact may cause skin irritation with local redness.

Serious Eye

Damage/Eye Irritation: May cause eye irritation. Corneal injury is unlikely.

Sensitization: For similar material(s): Has caused allergic skin reactions in humans. Has Demonstrated the potential for contact allergy in mice.

For respiratory sensitization: No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure): Evaluation of available data suggest this material is not a STOT-SE toxicant.

Specific Target Organ Systemic Toxicity (Repeated Exposure): Except for skin sensitization repeated exposure to low molecular weight resins of this type are not anticipated to cause any significant adverse effects.

11. TOXICOLOGICAL INFORMATION *Continued*

Carcinogenic Data:

NTP:	None
OSHA:	None
IARC:	None
Teratogenicity:	No
Mutagenicity:	Yes
Embryotoxicity:	No
Synergistic Material:	No

12. ECOLOGICAL INFORMATION

Toxicity

Acute Toxicity to Fish:	Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10mg/l in the most sensitive species tested) L50, Oncorhynchus mykiss (Rainbow trout), semi-static test. 96 HR, 2 mg/l.
Acute Toxicity to Aquatic Invertebrates:	EC50, Daphnia Magna (Water flea), static test, 48 HR, 1.8mg/l.
Acute Toxicity to Algae/Aquatic Plants:	ErC50, Scenedesmus capricornutum (Fresh water algae), static test, 72 hr., growth rate inhibition 11mg/l.
Toxicity to Bacteria:	IC50, Bacteria, 18 hr., respiration rates >42.6mg/l.
Chronic Toxicity to Aquatic Invertebrates:	MATC (Maximum acceptable toxicant level), daphnia magna, semi static test, 21 d, number of offspring, 0.55mg/l.

Persistence and Degradability

Biodegradability:	Based on stringent OED 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.
10-Day Window:	NA
Biodegradation:	12%
Exposure Time:	28 Days
Method:	OECD test guideline 302B or equivalent.
Theoretical Oxygen Demand:	2.35mg/l estimated.

Photodegradation

Test Type:	Half-life (Indirect photolysis).
Sensitizer:	OH radicals.
Atmospheric Half-Life:	1.92hr estimated.

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): 3.242@25°C estimated.

Mobility in Soil:

Potential for mobility in soil is low (Koc between 500 and 2000). Given its very low Henry's Constant, volatilization from natural bodies or water or moist soil is not expected to be an important fate process.

Partition Coefficient (Koc): 1800-4400 estimated.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Do not dump into any sewers on the ground, or into any body of water. Not a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with all Federal, State and Local regulations.

14. TRANSPORTATION INFORMATION

DOT Proper Shipping Name: Resin Compound, Not Regulated

Hazard Class: NA

UN Number: NA

Packaging Group: NA

DOT Product RQ LBS (KSG): NA

Hazard Label: NA

Hazard Placard: NA

IMO Shipping Data: UN 3082 Environmentally Hazardous Substance, Liquid N.O.S. (Epoxy Resin) < 9, PGIII

ICAO/IATA Shipping Data: UN 3082 Environmentally Hazardous Substance, Liquid N.O.S. (Epoxy Resin) < 9, PGIII

Additional Information: None

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 above the minimum levels.
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.

16. OTHER INFORMATION

HMIS

Health hazards	2
Flammability	1
Reactivity	2

Product List:	Maxxon Commercial MVP Two-Part Epoxy Part A
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.