

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Maxxon[®] Commercial ASR Barrier
Recommended uses: Concrete Waterproofing
Restrictions on uses: None identified
Supplier: Maxxon Corporation, 920 Hamel Road • PO Box 253 • Hamel, MN 55340
Company Telephone/Fax: (763) 478-9600 / (763) 478-2431
Emergency Telephone Number: (800) 424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Hazardous to aquatic environment, acute Category 3 hazard
OSHA Not Classified

Labeling:

Hazard symbol None
Signal word None
Hazard statement: Harmful to aquatic life

Precautional statement

Prevention: Avoid release into the environment
Response: Get medical advice/attention if you feel unwell
Storage: Store as indicated in Section 7
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations

Other hazards: No additional information available

Unknown acute toxicity: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances: Not applicable

Mixtures: This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of WHMIS 2015

CHEMICAL NAME	%	CAS NUMBER
Dipropylene glycol butyl ether	0.5 – 1.5	29911-28-2
Ammonium hydroxide	<0.5	1336-21-6

Composition Comments: All concentrations are in percent by weight

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist
Skin contact:	Wash skin with soap and water. Obtain medical attention if irritation develops and persists.
Eye contact:	Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion:	Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if symptoms occur.

Most important symptoms/effects, acute and delayed.

Symptoms/effects after eye contact:	Direct contact with eyes may cause temporary irritation.
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Indication of immediate medical attention and special treatment needed, if necessary.

Other medical advice or treatment:	Treat symptomatically.
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General information:	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
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5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:	Carbon dioxide (CO ₂), dry chemical powder, foam, water fog.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher as it will spread the fire.
Specific hazards arising from the product:	During fire, gases hazardous to health may include, and are not limited to: Oxides of carbon, ammonia, nitrogen oxides.

Special protective equipment and precautions for fire-fighters:

Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Fire-fighting equipment and instructions:

Keep upwind of the fire. Move containers from fire area if can do so without risk.

Specific Methods:

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards:

No unusual fire or explosive hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

General measures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and material for containment and cleaning up

For containment: This product is miscible in water. Prevent product from entering drains.

Methods for cleaning up

Small spill: Wipe up with adsorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Large spill: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Environmental precautions: Avoid release into the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment.

Hygiene measures: Wash contaminated clothing before reuse. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store in tightly closed original container. Store away from incompatible materials (See section 10 of SDS).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

US. ACGIH Threshold Limits

COMPONENTS	TYPE	VALUE
Ammonium hydroxide (CAS 1336-21-6)	STEL	35 ppm
	TWA	25 ppm

8. EXPOSURE CONTROLS / PERSONAL PROTECTION *Continued*

US. NIOSH: Pocket Guide to Chemical Hazards

COMPONENTS	TYPE	VALUE
Ammonium hydroxide (CAS 1336-21-6)	STEL	27 mg/m ³
	STEL	35 ppm
	TWA	18 mg/m ³
	TWA	25 ppm

Biological limit values: No biological exposure limits noted for ingredient(s).

Appropriate engineering controls: Good general ventilation should be used. Ventilation rates should be match to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to be maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures/personal protective equipment:

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin protection – Hand protection: Wear appropriate chemical resistant gloves.

Skin protection – Other: Wear suitable protective clothing .

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazard: Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state: Liquid

Form: Liquid

Color: Milky white

Odor: Slight

Odor threshold: Not available

pH: 8-10

Melting point / freezing point: 32°F (0 °C)

Initial boiling point and boiling rang: >212°F (>100 °C)

Flash point: Not available

Evaporation rate: Not available

9. PHYSICAL AND CHEMICAL PROPERTIES *Continued*

Flammability (solid, gas): Not available

Lower and upper flammability or explosive limits

Flammability limit – lower (%): Not available

Flammability limit – upper (%): Not available

Explosive limit – lower (%): Not available

Explosive limit – upper (%): Not available

Vapor pressure: Not available

Vapor density: Not available

Relative density: Not available

Solubility(ies): Solubility (water) Not available

Partition co-efficient

n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Other information

Explosive properties: Not available

Oxidizing properties: Not available

VOC: Not available

10. STABILITY AND REACTIVITY

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

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: Heat. Ignition sources. Contact with incompatible materials.
Keep from freezing.

Incompatible materials: Strong oxidizing agents. Halogens. Acids.

Hazardous decomposition products: No hazardous decomposition products are known.

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

Inhalation: Prolonged inhalation may be harmful.

Skin contact: Prolonged skin contact may cause temporary irritation.

Eye contact: Direct contact with eyes may cause temporary irritation.

Ingestion: May cause discomfort is swallowed.

11. TOXICOLOGICAL INFORMATION *Continued*

Symptoms related to physical, chemical, and toxicological characteristics: Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity: Not expected to be acutely toxic
 Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.
 Serious eye damage/eye irritation: Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization: Not a respiratory sensitizer.
 Skin Sensitization: This product is not expected to cause skin sensitization.
 Germ cell mutagenicity: No data is available to indicate product, or any components present at a great than 0.1% are mutagenic or genotoxic.
 Carcinogenicity: Not classifiable as to carcinogenicity to humans.

IARC Monographs: Overall
Evaluation of Carcinogenicity: Not listed
NTP Report on Carcinogens: Not listed

OSHA Specifically regulated Substances

(29CRF 1910.001-1053) Not regulated

Reproductive toxicity Not classified

Specific target organ toxicity – single exposure Not classified

Specific target organ toxicity – repeated exposure Not classified

Aspiration hazard Not an aspiration hazard

Chronic effects Prolong inhalation may be harmful

Further information: No other specific acute or chronic health impact noted

12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity: Harmful to aquatic life

PRODUCT/INGREDIENT NAME	RESULTS	SPECIES	EXPOSURE
Ammonium hydroxide (CAS 1336-21-6)	LC50 – 0.66 mg/l	Crustacea – Daphnia magna	48 hours

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other information: None known

13. DISPOSAL CONSIDERATIONS

Disposal methods

Disposal instructions:	Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.
Local disposal regulations:	Dispose of in accordance with local regulations.
Hazardous waste code:	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Regional legislation (waste):	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations:	Avoid release to the environment. Disposal must be done according to official regulations.

14. TRANSPORTATION INFORMATION

Basic shipping description:	In accordance with TDG.
Transportation of dangerous goods:	Not regulated for transport.
Transport information / DOT:	Not regulated as dangerous goods.
Air and sea transport	
IMDG:	Not regulated as dangerous goods.
IATA:	Not regulated as dangerous goods.
Transport in bulk	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not established.

15. REGULATORY INFORMATION

U.S. Federal regulations:	TSCA 8(a) Pair acetaldehyde TSCA 8(a) CDR Exempt/Partial exemption: Not determined Clean Water Act (CWA) 311: vinyl acetate; Formaldehyde; acetaldehyde; propylene oxide
United States:	All components are listed or exempted.
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs):	Listed.
Clean Air Act Section 602 Class I Substances:	Not listed.
Clean Air Act Section 602 Class II Substances:	Not listed.

15. REGULATORY INFORMATION *Continued*

DEA List I Chemicals
(Precursor Chemicals): Not listed

DEA List II Chemicals
(Essential Chemicals): Not listed

SARA 302/304

Composition/information on ingredients

NAME	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Ethylene oxide	<0.1	Yes	1000	-	10	-
Propylene oxide	≤0.1	Yes	10000	1444.3	100	14.4
Vinyl acetate	≤0.1	Yes	1000	129	5000	644.8
Formaldehyde	<0.1	Yes	500	73.9	100	14.8

SARA 304 RQ: 5888241.2 lbs / 2673261.5 kg

SARA 311/312

Classifications: ACUTE TOXICITY (oral) - Category 4
SKIN IRRITATION – Category 2
SERIOUS EYE DAMAGE - Category 1
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs)-Category 1

US Federal regulations This product is not known to be a “Hazardous Chemical” as defined by the OSHA HAZARD Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt.D): Not regulated

CERCLA Hazardous Substance List (40 CFR302.4)
Ammonium hydroxide (CAS 1336-21-6): Listed

SARA 304 Emergency release notification: Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053): Not regulated

Toxic Substances Control Act (TSCA): All components of the mixture on the TSCA 8(b) Inventory are designated “active”.

15. REGULATORY INFORMATION *Continued*

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance:	Not Listed
SARA 311/312 Hazardous chemical:	No
SARA 313 (TRI reporting):	Not regulated

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:	Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):	Not regulated
Safe Drinking Water Act (SDWA):	Not regulated

US state regulations

US. Massachusetts RTK – Substance List:	Ammonium hydroxide (CAS 1336-21-6)
US. New Jersey Worker and Community Right-to-Know Act:	Ammonium hydroxide (CAS 1336-21-6)
US. Pennsylvania Worker and Community Right-to-Know Law:	Ammonium hydroxide (CAS 1336-21-6)
US. Rhode Island RTK:	Not regulated.



California Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov

15. REGULATORY INFORMATION *Continued*

International Inventories

COUNTRY(IES) OR REGION	INVENTORY NAME	ON INVENTORY
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ENCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(ies). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(ies).

16. OTHER INFORMATION

NFPA Ratings

Health:	1
Flammability:	0
Physical hazard:	0
Hazard scale:	0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

List of abbreviations: NFPA – National Fire Protection Association

***Disclaimer:** This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors and customers who will use the product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.*