

1. PRODUCTS AND COMPANY IDENTIFICATION

Product Name: MS-Cement Modifier

Product Use: Polymer Cement Additive to increase strength and adhesion

Manufacturer/Supplier:

EnviroECOats

785 W. Rialto Ave. Ste. G

Rialto, CA 92376

Web Address: www.EnvirECOats.net

Medical Emergency:

CHEMTREC (USA): (800) 424-9300

CHEMTREC (International): (703) 527-3887

SDS Assistance: (909)440-5017

Technical Assistance: (909)440-5017

2. COMPONENT INFORMATION

Classification (GHS-US)

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

Emergency Overview

Signal Word: Not Classified

Hazard Statement: None

Appearance: White

Physical State: Liquid

Odor: Slight

Precautionary Statements - Prevention

None required. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protective equipment as required.

Precautionary Statements - Response

Get medical advice/attention if you feel unwell. Specific treatment (see Section 4 on this SDS).

In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Precautionary Statements - Storage

Keep from freezing.

Precautionary Statements - Disposal

Dispose of in accordance with federal, state and local regulations.

Hazards not otherwise classified (HNOC)

None under normal processing.

Other Information

Unknown acute toxicity

24 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Components	CAS No.	Weight-%	Trade Secret
Ammonia	7664-41-7	0.1 - 1.0	*

The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID INFORMATION

Description of first aid measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Remove to fresh air.
Ingestion	None under normal use conditions. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary.
Notes to Physician	Treat symptomatically.

5. FIRE FIGHTING MEASURE

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable Extinguishing Media

Specific test data for the substance or mixture is not available.

Specific Hazards Arising from the Chemical

Do not allow run-off from fire-fighting to enter drains or water courses. Dried product is capable of burning. Sealed containers may rupture when heated.

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protection equipment. Ensure adequate ventilation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
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Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.
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Methods and material for containment and cleaning up

Methods for Cleaning Up	Pick up and transfer to properly labeled containers. Prevent environmental discharge consistent with regulatory requirements. Disposal should be in accordance with applicable regional, national and local laws and regulations.
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7. HANDLING AND STORAGE

Precautions for safe handling

Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing.
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Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a cool, well-ventilated place. Keep from freezing.

Incompatible Products WATER REACTIVE MATERIALS

8. EXPOSURECONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Components	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA - WEEL
Ammonia 7664-41-7	TWA: 25 ppm	TWA: 50 ppm TWA: 35 mg/m ³ (vacated) STEL: 35 ppm (vacated) STEL: 27 mg/m ³	IDLH: 300 ppm TWA: 25 ppm TWA: 18 mg/m ³ STEL: 35 ppm STEL.: 27 mg/m ³	-

Appropriate engineering controls Engineering

Measures Showers
Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment Eye/Face

Protection and Body Protection Avoid contact with eyes. Eye protection. **Skin**
Wear protective 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.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid
Appearance White
Color White
Odor Slight
Odor Threshold No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9.0-10.5	
Melting point / freezing point	No information available	
Boiling Point / Boiling Range	Specific test data for the substance or mixture is not available	
Flash Point	Specific test data for the substance or mixture is not available	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper Explosive Limits	Specific test data for the substance or mixture is not available	
Lower Explosive Limits	Specific test data for the substance or mixture is not available	
Vapor pressure	Negligible	
Vapor Density	Specific test data for the substance or mixture is not available	
Specific Gravity	1.1	
Water Solubility	Miscible with water	
Solubility in other solvents	Specific test data for the substance or mixture is not available	

Partition coefficient	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Kinematic Viscosity	No information available
Dynamic Viscosity	<150 cps
Explosive Properties	No information available
Oxidizing Properties	No information available

Other Information

Softening Point Solids Specific test data for the substance or mixture is not available
46.5-48.5 %

10. STABILITY AND REACTIVITY

Reactivity

None under normal processing

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Excessive heat.

Incompatible Materials

WATER REACTIVE MATERIALS.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Contact with eyes may cause irritation.
Skin Contact	Repeated exposure may cause skin dryness or cracking. May cause irritation.
Ingestion	Not an expected route of exposure. May be harmful if swallowed.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Ammonia 7664-41-7	= 350 mg/kg (Rat)	-	= 2000 ppm (Rat) 4 h

Information on toxicological effects

Symptoms Specific test data for the substance or mixture is not available. **De-**

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

zation	No information available.
Mutagenic Effects	Specific test data for the substance or mixture is not available. Carcinogenicity Contains no ingredients above reportable quantities listed as a carcinogen Re-
productive Toxicity	No information available
STOT - single exposure	No information available.
STOT - repeated exposure	No information available. Aspi-
ration Hazard	No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

12. ECOLOGICAL INFORMATION

Ecotoxicity

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Components	Algae/aquatic plants	Toxicity to Fish	Daphnia Magna (Water Flea)
Ammonia - 7664-41-7	N/A	0.44: 96 h Cyprinus carpio mg/L LC50 0.73 - 2.35: 96 h Pimephales promelas mg/L LC50 0.26 - 4.6: 96 h Lepomis macrochirus mg/L LC50 5.9: 96 h Pimephales promelas mg/L LC50 static 1.5: 96 h Poecilia reticulata mg/L LC50 1.19: 96 h Poecilia reticulata mg/L LC50 static 1.17: 96 h Lepomis macrochirus mg/L LC50 flow-through	25.4: 48 h Daphnia magna mg/L LC50

Persistence and Degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATION

Waste treatment methods

Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT

Not regulated.

IATA

Not regulated.

IMDG/IMO

Not regulated.

15. REGULATORY INFORMATION

TSCA 8(b)

All components are listed or exempt

DSL

All components are listed or exempt

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. None present above the reporting threshold.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Components	Weight-%	HAPS data
Methyl methacrylate 80-62-6	< 0.1%	Present
Formaldehyde 50-00-0	< 0.1%	Present
1,4-Dioxane 123-91-1	< 0.1%	Present
Ethylene oxide 75-21-8	< 0.1%	Present
Isopropylbenzene (Cumene) 98-82-8	< 0.1%	Present
Acetaldehyde 75-07-0	< 0.1%	Present

CWA (Clean Water Act)

See information supplied by the manufacturer

CERCLA

See information supplied by the manufacturer

US State Regulations**California Proposition 65**

Based on information from material suppliers and process knowledge, this product is not known to contain any Proposition 65 listed substances at or above 0.1 weight percent. Please contact the Regulatory Department if additional information is required.

U.S. EPA Label Information**16. OTHER INFORMATION. INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

NFPA	Health Hazard 1	Flammability 0	Instability 0	Physical and Chemical Hazards -
HMS	Health Hazard 1	Flammability 0	Physical hazards 0	Personal Precautions X

Revision Date 18-Mar-2020

Revision Note

No information available

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.