



SAFETY DATA SHEET

1. Identification

Product Identifier	Majestic Lithium Silicate Concrete Densifier	
Other means of identification		
Product code	MAJS05	
Recommended use	RTU lithium silicate densifier for concrete	
Recommended restrictions	Professional use only.	
Manufacturer/distributor/supplier/importer information		
Company name	M3 Technologies, Inc.	
Address	57 Lamberts Lane Cohasset, MA 02025	
Telephone	(800) 342-4533	
Emergency phone number	CHEMTREC	(800) 424-9300
	24-hour Emergency	(800) 424-9300

2. Hazard(s) Identification

Physical hazards	Not classified	
Health hazards	Skin irritation	Category 2
	Eye irritation	Category 2A
Environmental hazards	Not classified	
OSHA defined hazards	Not listed	

Label elements



Signal word	WARNING
Hazard statement	Causes skin irritation Causes serious eye irritation
Precautionary statement	
Prevention	Wash hands and exposed skin thoroughly after handling. Wear protective gloves. Wear eye protection/face protection.
Response	IF ON SKIN: Wash with plenty of water. Specific treatment (see section 5 of the SDS). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage	No prescriptive instruction
Disposal	No prescriptive instruction
Hazard(s) not otherwise classified (HNOC)	None
Supplemental information	None

3. Composition/information on ingredients

Mixture Component(s)			
Chemical name	CAS number	Purpose	%
Water	7732-18-5	Solvent	90-100%
Lithium Silicate	12627-14-4	Processing Aid	1-10%
Fluorinated Alcohol	PROPRIETARY	Surfactant	<0.1%



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4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Dermatitis. Rash. Causes skin irritation and serious eye irritation.
Indication of immediate medical attention and special treatment needed	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂)
Unsuitable extinguishing media	None known
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you 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 explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective equipment and clothing during clean-up. Wear eye/face protection.
Methods and materials for containment and cleaning up	Caution – spillages may be slippery Large spills: 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. Prevent entry into waterways, sewer, basements or confined areas. Small spills: Wipe up with absorbent material (e.g. cloth, absorbent wipes). Clean surface thoroughly with detergent solution to remove residual contamination. Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
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Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Do not store in extreme temperature conditions.

8. Exposure controls/personal protection

Occupational exposure limits

None established

Biological limit values

None established

Appropriate engineering controls Emergency eye wash stations and showers should be readily accessible. Provide natural or mechanical ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. Suggested protective materials: Nitrile and PVC rubber.

Other

Wear long sleeve shirts with pants. Depending on exposure and use conditions, additional protection may be necessary to prevent skin contact including use of items such as chemical-resistant boots, aprons, arm covers, hoods or coveralls.

Respiratory protection

Respiratory protection not required for prescribed use of this product

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical State Liquid

Color Colorless

Odor Characteristic

Odor threshold Not available.

pH 10.5-11.4

Melting/freezing point Not available.

Initial boiling point and boiling range 212°F (100°C)

Flash point Does not flash.

Evaporation rate Not available.

Flammability Not available.

Flammability Limits

Upper Not available.

Lower Not available.

Vapor pressure Not available.

Vapor density Not available.

Specific gravity 1.03

Solubility in water Soluble



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Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	>392°F (200°C)
Viscosity	Not available.

10. Stability and reactivity

Reactivity	This product is stable and non-reactive under normal conditions of use.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	High heat, flames.
Incompatible materials	Reactive metals (e.g. sodium, calcium, zinc) strong acids, oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Lithium compounds may damage central nervous system. Large doses may result in headaches, nausea, dizziness, convulsions and kidney damage.
Inhalation	Mist is irritant to respiratory tract.
Skin contact	Repeated and/or prolonged skin contact causes skin irritation.
Eye contact	Liquid or mist causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Dermatitis. Rash. May cause an allergic skin reaction, skin irritation, serious eye irritation.
Acute toxicity	Causes skin irritation and serious eye irritation.

Product		
Majestic Lithium Silicate Concrete Densifier (CAS mixture)		
Exposure Classification	Route and Species	LD50
Acute	Oral, rat	> 5,000 mg/kg (estimated)
Acute	Dermal, rat	> 5,600 mg/kg (estimated)
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/ irritation	Causes serious eye irritation
Respiratory sensitization	Not classified.
Skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not considered a carcinogen.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not Listed.
Reproductive toxicity	Not classified.
Specific target organ toxicity – single exposure	Not classified.
Specific target organ toxicity – repeated exposure	Not classified.
Aspiration hazard	Not considered an aspiration hazard.



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12. Ecological information

Ecotoxicity		
Product	Majestic Lithium Silicate Concrete Densifier (CAS mixture)	
Aquatic Receptor	Species	Test Thresholds
Crustacea	Daphnia magna	EC ₅₀ (48-hr): >10,000 mg/L (estimated)
*Estimates for product may be based on additional component data not shown		

Persistence and degradability	Soluble silicates: upon dilution, rapidly depolymerise into molecular species indistinguishable from natural dissolved silica.
Bio-accumulative potential	No data available. Highly water-soluble inorganic components. Not expected to bio-accumulate
Mobility in soil	Not available. Chemicals of these classes are highly water soluble and will partition weakly to particles in low-clay soil matrices. They are expected to exhibit moderate to high mobility in saturated and semi-saturated soils
Other adverse effects	The alkalinity of this material may have a local effect on ecosystems sensitive to changes in pH.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations. As packaged, this product is not believed to meet criteria defining RCRA hazardous wastes when disposed. (40 CFR Part 261, Subpart C). Before selecting disposal method, ensure that the waste materials have been properly assessed and, as necessary, tested to confirm regulatory status.
Waste from residues/unused product	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

USDOT Not regulated as dangerous goods.

15. Regulatory information

US federal regulations

SARA 302 Extremely hazardous substance Not listed.

SARA 304 Emergency release notification Not listed.

SARA 311/312 Hazard Categories

Immediate Hazard - Yes

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

SARA 313 (TRI reporting) Not listed.



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California Proposition 65



WARNING: This product can expose you to chemicals including Pentadecafluorooctanoic acid, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other information, including date of preparation or last revision

Issue date 3/13/2015
 Revision date 12/14/2020
 Version # 3
 HMIS® ratings Health: 1
 Flammability: 0
 Physical hazard: 0

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

NFPA ratings Health: 1
 Flammability: 0
 Instability: 0



Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. 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 related 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 by the text.

Revision information

Composition information updated in accordance with industry standards.