

Section 1 - Identification

Product Name: SHADE Chlorine Extender (90005-08)

Atlantic Solutions, Inc.
125 North Chatham Pkwy
Chapel Hill, NC 27517
919-933-4250

Emergency Phone: 800-535-5053

Product Use: Water Treatment

Section 2 - Hazards Identification

GHS Ratings:

Health hazard not
otherwise classified

DST

Warning! Product becomes a combustible dust when finely divided and suspended in the air. Keep away from sources of ignition, sparks, and open flames.

GHS Hazards

GHS Precautions

Signal Word:

There are no GHS ratings that apply to this product at this time.

Section 3 - Composition, Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Cyanuric Acid	108-80-5	90.00% - 100.00%

Section 4 - First Aid Measures

After inhalation: Loosen tight clothing such as a collar, tie, belt or waistband. Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After eye contact: Check for and remove any contact lenses. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After swallowing: If swallowed do not induce vomiting, seek medical advice and show safety data sheet or label.

Most important symptoms and effects, both acute and delayed: See Section 11 for more detailed information on health effects and symptoms.

Information for doctor: See Section 11 for more detailed information on health effects and symptoms. Indication of any immediate medical attention and special treatment needed See Section 11 for more detailed information on health effects and symptoms.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote .

General information: Remove severely contaminated clothing and clean before reuse.

Section 5 - Fire Fighting Measures

Flash Point: N/A

LEL:

UEL:

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture: Fine dust clouds may form explosive mixtures with air.

In case of fire, the following can be released: Carbon dioxide (CO₂), Carbon monoxide (CO), Nitrogen oxides (NO_x)

Advice for firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Do not create a dust cloud by using a brush or compressed air. Avoid whirling up the material/product because of the danger of dust explosion.

Protective equipment: Wear fully protective suit. Firefighters should use self-contained breathing apparatus.

Additional information: Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter the sewage system.

Cool endangered receptacles with water spray.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: No action shall be taken involving any personal risk or without suitable training. Keep away unnecessary and unprotected personnel. Put on appropriate personal protective equipment (see Section 8). Avoid formation of dust. Ensure adequate ventilation

Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Vacuum, sweep, shovel or use wet clean-up techniques and place waste material in closed container . Dispose contaminated material as waste according to item 13.

Reference to other sections: No dangerous substances are released. See Section 1 for emergency contact information. See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7 - Handling & Storage

Precautions for safe handling: Prevent formation of dust. Provide suction extractors if dust is formed. Ensure good ventilation/exhaustion at the workplace. Keep away from heat and direct sunlight.

Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect from heat. Protect against electrostatic charges. Dust can combine with air to form an explosive mixture. Dust deposits must be avoided.

Conditions for safe storage, including any incompatibilities

Storage: Store in accordance with local regulations.

Requirements to be met by storerooms and receptacles: Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers.

Information about storage in one common storage facility: Store away from foodstuffs. Do not store together with oxidizing materials.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

This product is hygroscopic.

Section 8 - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Cyanuric Acid 108-80-5	Not Established	Not Established	Not Established

Information about design of technical systems: Mechanical ventilation may be required to maintain exposure levels below limits.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Do not eat, drink, smoke or sniff while working. Avoid contact with the eyes and skin.

Breathing equipment: Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2).

Protection of hands: Chemical resistant protective gloves (EN 374). The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses with side-shields Tightly sealed goggles

Body protection: Protective work clothing/Boots

Wash hands before breaks and at the end of work. Wash contaminated clothing before reusing. Ensure that washing facilities are available at the work place.

Section 9 - Physical & Chemical Properties

Appearance Crystalline Powder	Color White
pH 4.2	Specific Gravity 1.77
Odor Odorless	Odor Threshold N/A
Freezing Point N/A	Boiling Range N/A
Flash Point N/A	Evaporation Rate N/A
Vapor Pressure N/A	Solubility in Water Complete
Viscosity N/A	Flammability N/A
Upper/lower flammability N/A	Partition coefficient: n- octanol/water N/A
Auto-ignition temperature N/A	Decomposition temperature N/A

Section 10 - Stability & Reactivity

Conditions to avoid: Avoid electro-static discharge.

STABLE

Incompatibilities:

Strong oxidizers such as chlorates, bromates and nitrates

Hazardous Decomposition:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity
Component Toxicity

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

Section 12 - Ecological Information

Component Ecotoxicity

Section 13 - Disposal Considerations

Waste treatment methods

Recommendation: Any disposal practice must be in compliance with all local and national laws and regulations . Do not dump into any sewers, on the ground, or into any body of water. Contact manufacturer for recycling information. Contact waste processors for recycling information.

Uncleaned packagings

Recommendation: Dispose of packaging according to regulations on the disposal of packagings. Packaging can be reused or recycled after cleaning. Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

Recommended cleansing agent: Water, if necessary with cleansing agents. Diluted caustic solution.

Special precautions : Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers .

Section 14 - Transportation Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Compound, Cleaning Solid, (Not Regulated)			

Section 15 - Regulatory Information

Superfund Amendments and Reauthorization Act

- None

Yes

Toxic Substances Control Act

- None

All components of this product are included on the TSCA inventory

- None

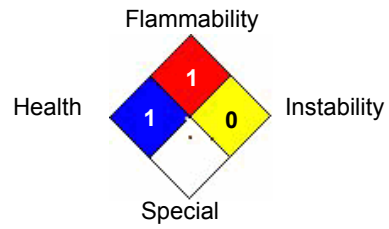
Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision

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