

SECTION 1 - IDENTIFICATION

Product Identifier

CLOSED SYSTEM TREATMENT

Other Means of Identification

CST1

Recommended Use of the Chemical

See product label

Responsible Party

Name Atlantic Chemical & Equipment Company

Address 3471 Atlanta Industrial Pwky,
Atlanta, GA 30331 USA

Phone 1.800.929.2436

Web acechempro.com

Emergency Phone Number

For Chemical Emergencies call Chemtrec at 1.800.262.8200

SECTION 2 – HAZARD IDENTIFICATION

Classification of the Chemical

Acute Toxicity, category 4 (oral)

Toxic to Reproduction, category 1b

Signal Word

Danger

Hazard Symbols



Hazard Statement(s)

Harmful if swallowed

May damage fertility or the unborn child

Precautionary Statement(s)

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves

Wash hands thoroughly after handling

Do not eat, drink or smoke when using this product

Store locked

Dispose of container in accordance with local regulations

IF SWALLOWED: Call a poison control center if you feel unwell. Rinse mouth

IF EXPOSED OR CONCERNED: Get medical advice

Hazards Not Otherwise Classified

None known

0% of the mixture consists of ingredients of unknown toxicity

Note

Labeling information found on this SDS may be different from label. Safety Data Sheets are regulated by OSHA (29 CFR §1910.1200) while the actual product and its label may be regulated by a different government agency

SECTION 3 – COMPOSITION

Ingredient	CAS	wt%	GHS Classification(s)
Sodium Nitrate	7632-00-0	10-20	Acute Toxicity 3 (oral); Aquatic Toxicity 1
Borax	1303-96-4	<5	Toxic to Reproduction 1b

Trade Secret Claim

When applicable, the specific concentration of each hazardous ingredient is considered a TRADE SECRET. Chemical names and identifiers will be listed in exact composition weight and name when not subject to trade secret exemptions

SECTION 4 – FIRST AID MEASURES

General First Aid Measures

If medical attention is required then provide product label or safety data sheet to a medical professional

Most Important Symptoms

None known

If Inhaled

Move person to fresh air and keep comfortable for breathing. Administer artificial respiration if person is not breathing

If on Skin

Wash with soap and water. Take off contaminated clothing and launder with detergent before reuse

Indication of Immediate Medical Attention

Not anticipated to require immediate medical attention

If in Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Rinse for at least 10 minutes to ensure proper flushing of material from eye

If Swallowed

Do NOT induce vomiting unless instructed to do so by a trained medical professional. Rinse mouth with water

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, carbon dioxide, sand, powder extinguisher, or dry chemical

Unsuitable Extinguishing Media

None known

Specific Hazards Arising From the Chemical

Contains Sodium Nitrate, an oxidizing agent

Hazardous Combustion Products

None known

Special Protective Equipment for Fire-fighters

Not determined

Precautions for Fire-Fighters

Not determined

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure that the environment is physically safe to be in. Wear personal protective equipment before remedying an accidental release of mixture

Protective Equipment

Wear gloves suitable for chemical resistance. Wear protective eye glasses/goggles. In the event of inadequate air ventilation use artificial breathing apparatuses

Emergency Procedures

Evacuate all non-essential personnel from the area. Shut off all sources of ignition. Ensure that all drains are covered to prevent environmental exposure. Follow methods found in next sub-section: Methods for Containment and Clean Up

Methods for Containment and Clean Up

Provide mechanical ventilation. Collect with an absorbent material, sweep into a container appropriate for storage. Offer to a licensed waste disposal company for appropriate disposal



References

See Section 7 on safe handling. Section 8 for information on personal protection equipment. See Section 13 for disposal information

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Keep in original container before and after use. Read product label thoroughly and follow directions as provided in each label's Directions section. Wear protective equipment suggested in Section 8 even if product label does not recommend use of protective equipment

Conditions for Safe Storage

Store in all original containers/packaging as product label contains important information regarding proper use of chemical. Store appropriate to NFPA ratings found in Section 15 of this SDS.

Storage Incompatibilities

None known

SECTION 8 – PERSONAL PROTECTION

Exposure Limits

Ingredient	CAS	PEL	AGCIH	NIOSH
Sodium Nitrate	7632-00-0	10 mg/m ³	6 mg/m ³	5 mg/m ³
Borax	1303-96-4	2 mg/m ³	2 mg/m ³	10 mg/m ³

General Note

Practice good industrial hygiene by washing hands thoroughly before and after use. Keep working areas clean. Ensure proper use of personal protective equipment as recommended in this section

Appropriate Engineering Controls

Ensure adequate mechanical ventilation capable of preventing vapor build up

Eye Protection

Eye glasses or goggles are recommended when using this product. Eye protection should fit user as to minimize risk of exposure as much as possible

Skin Protection

Wear long sleeves and pants to minimize exposure to skin. Wear protective gloves when using this product. Gloves should be chemically resistant to the material. Launder contaminated clothing before reuse. Wear an apron if usage of chemical is anticipated to expose user to a large quantity of material

Respiratory Protection

Mechanical ventilation is often sufficient for ensuring respiratory systems are better protected against exposure to material; however, should it be determined that material exposure limits are being concentrated as vapors then local ventilation should be utilized. Not anticipated to require personal breathing apparatuses for use or other respiratory protection equipment

SECTION 9 – CHEMICAL PROPERTIES

Appearance

Liquid

Odor

Not determined

Odor Threshold

Not determined

pH

10.5

Melting Point

Not applicable

Boiling Point

212°F

Flash Point

Non-flammable

Evaporation Rate

Not determined

Flammability

Not flammable, oxidizer

Upper Explosive %

Not determined

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Lower Explosive % Not determined
Vapor Density Not determined
Relative Density Not determined
Solubility Not determined

Partition Coefficient Not determined
Auto-Ignition Temp Not determined
Decomposition Temp Not determined
Viscosity Not determined

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

Material is not anticipated to be reactive

Chemical Stability

Material is anticipated to be stable in normal storage conditions when not exposed to any incompatible materials

Possibility of Hazardous Reactions

None known

Conditions to Avoid

Ensure that chemical is not exposed to heat, direct sunlight, or sources of ignition

Incompatible Materials

Not determined

Hazardous Decomposition Products

Not anticipated to produce any hazardous decomposition products beyond any health risk

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates

Oral – 875 kg/bw

Dermal – Contains no ingredient(s) considered toxic

Inhalation - Contains no ingredient(s) considered toxic

Aspiration Hazard

Contains no ingredient(s) which poses a risk in this category

Carcinogenicity

Contains no ingredient(s) which poses a risk in this category

Eye Damage/Irritation

Contains no ingredient(s) which poses a risk in this category

Germ Cell Mutagenicity

Contains no ingredient(s) which poses a risk in this category

Reproductive Toxicity

Borax is assumed to be toxic to reproduction but no testing has been conducted for this mixture

Respiratory Sensitization

Contains no ingredient(s) which poses a risk in this category

Skin Corrosion/Irritation

Contains no ingredient(s) which poses a risk in this category

Skin Sensitization

Contains no ingredient(s) which poses a risk in this category

Specific Target Organ Toxicity – Repeated Exposure

Contains no ingredient(s) which poses a risk in this category

Specific Target Organ Toxicity – Single Exposure

Contains no ingredient(s) which poses a risk in this category

Delayed and Immediate Effects From Short- and Long-Term Exposure

Not determined

Symptoms related to the Chemical Characteristics

Not determined

International Agency for Research on Cancer Listing

No ingredient(s) listed as possibly carcinogenic

National Toxicology Program Listing

No ingredient(s) listed as possibly carcinogenic



SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity Estimated Values

Algae >1 mg/L (category 2)
Fish >1 mg/L (category 2)
Crustacea >1 mg/L (category 2)

Persistence and Degradability

Not determined

Bioaccumulative Potential

Not determined

Mobility in Soil

Not determined

Other Adverse Effects

Not determined

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of Empty Containers

Empty container can be recycled

Disposal of Material

Dispose of full or partially full containers by offering material to a licensed waste management company and follow all local regulations on proper disposal of material

SECTION 14 – TRANSPORTATION INFORMATION

Hazard Placards

Not a regulated mixture

Special Precautions

Keep in original container. Do not store excessive weight on top

UN Number

UN Shipping Name

Technical Name(s)

Hazard Class(es)

Packaging group

Limited Quantity

Marine Pollutant

Transport in Bulk

Not a regulated mixture

Not a regulated mixture

Not a regulated mixture

Not a regulated mixture

Not a regulated mixture

Not a regulated mixture

Yes (category 2)

Not determined

SECTION 15 – REGULATORY INFORMATION

SARA 311/312
SATA 313

No applicable ingredient(s)
Sodium Nitrate

California
Prop65
ARB Designation
VOC Limit

No applicable ingredient(s)
Not determined
Not applicable

TSCA Inventory List

All ingredients in this mixture are on the TSCA inventory list as active or exempt.



HMIS®III (higher numbers indicate higher risk)

Health 2
Flammability 1
Physical Hazard 0

NFPA (higher numbers indicate higher risk)

Health 2
Flammability 1
Instability 0

SECTION 16 – OTHER INFORMATION

Revision History

August 2021 SDS Review and re-authoring

General Disclaimer

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- END SAFETY DATA SHEET -

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