

CS-155

SDS Number: 6155

Revision Date: 2/27/2021

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Alliance Group Inc. 262-251-4977
N114 W18621 Clinton Drive
Germantown, WI 53022

Phone: 800-255-3924**Emergency:** CHEMTEL

Product Identifier: CS-155
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Revision Date: 2/27/2021
Product Use: Water Treatment Compound

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Acute toxicity, 4 Oral

GHS Label Elements, Including Precautionary Statements**GHS Signal Word:** **WARNING****GHS Hazard Pictograms:****GHS Hazard Statements:**

H319 - Causes serious eye irritation
H302 - Harmful if swallowed

GHS Precautionary Statements:

P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P220 - Keep/Store away from clothing/combustible materials.
P221 - Take any precaution to avoid mixing with combustibles.
P234 - Keep only in original container.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P363 - Wash contaminated clothing before reuse.
P501 - Dispose of contents/container to an approved waste disposal plant.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Eyes; Inhalation; Ingestion; Skin.
Target Organs: Respiratory system; Eyes; Skin.
Inhalation: Can cause severe irritation and inflammation of the respiratory tract.
Skin Contact: May cause irritation, tearing and redness.



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Eye Contact: May cause irritation. May cause permanent eye damage.**Ingestion:** Aspiration hazard: Harmful or fatal if swallowed.**HMIS III:** Health = 2(Chronic), Fire = 0, Physical Hazard = 1

HMIS	
HEALTH <input checked="" type="checkbox"/>	2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION <input type="checkbox"/>	

3 COMPOSITION/INFORMATION OF INGREDIENTS

Substance/Mixture: Mixture

Chemical Ingredients:		
CAS#	%	Chemical Name:
7631-99-4	<10%	Sodium nitrate
7632-00-0	<10%	Sodium nitrite
497-19-8	<5%	Sodium Carbonate
1330-43-4	<5%	Borates, tetra, sodium salts (anhydrous)

4 FIRST AID MEASURES

- Inhalation:** If symptoms develop, move victim to fresh air. Give oxygen or artificial respiration if needed. GET IMMEDIATE MEDICAL ATTENTION.
- Skin Contact:** Promptly flush skin with water for 15 minutes. Remove contaminated clothing immediately. Get immediate medical attention. Do not reuse clothing and shoes until cleaned. Discard leather articles such as shoes and belt. Do not apply oils and ointments unless ordered by a physician.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get immediate medical attention.
- Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Seek immediate medical attention. If unconscious, take to a hospital or physician. Never induce vomiting or give anything by mouth to an unconscious victim. For spontaneous vomiting, keep head below hips.

5 FIRE FIGHTING MEASURES

- Flammability:** Not flammable or combustible.
- Flash Point:** Not applicable
- Autoignition Temp:** Not applicable

Fire Fighting Methods

Evacuate area of unprotected personnel. Wear protective clothing including NIOSH Approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire exposed containers and disperse vapors.



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Extinguishing Media

Suitable: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use carbon dioxide, foam, water fog or dry chemical for fire extinction

Unsuitable fire extinguisher: No data available

Unusual Fire Hazard: Material will not burn, but decomposition will release oxygen which will increase explosive limits and burning rate of flammable vapors.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions

Evacuate area. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let products enter drains. Discharge into the environment must be avoided.

Spill

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Avoid breathing vapors or mist. Wash thoroughly after handling. Do not puncture or drop containers. Do not expose containers to open flame, excessive heat, or direct sunlight.

Storage Requirements: Store in cool/dry area. Keep away from sunlight, heat, sparks, and flames. Keep away from incompatible materials. Keep container tightly closed. Do not store in unlabeled or mislabeled containers. Do not freeze.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local exhaust ventilation. Maintain adequate ventilation. Do not use in confined spaces.

Personal Protective Equipment:

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Respiratory
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.
Eyes and Face
Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid or airborne material.
Skin
Prevent contact with this product. Wear gloves and protective clothing depending on conditions of use. Protective gloves: gauntlet-type, neoprene, nitrile.

Component	OSHA PEL	ACGIH TWA/ TLV
Sodium Tetraborate	10 mg/m3	1 mg/m3
Sodium Nitrate	No data available	No data available
Sodium Nitrite	No data available	No data available



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Sodium Carbonate

5 mg/m3

10 mg/m3

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, pale yellow	Odor:	Mild Odor
Physical State:	Liquid	Molecular Formula:	No data available
Odor Threshold:	No data available.	Solubility:	Complete
Particle Size:	No data available	Softening Point:	No data available
Spec Grav./Density:	1.085	Percent Volatile:	None
Viscosity:	No data available.	Heat Value:	No data available
Saturated Vapor Concentration:	No data available	Freezing/Melting Pt.:	32°F
Boiling Point:	No data available	Flash Point:	No data available.
Flammability:	No data available.	Octanol:	No data available
Partition Coefficient:	No data available	Vapor Density:	Heavier than air
Vapor Pressure:	No data available	VOC:	None
pH:	9-10	Bulk Density:	No data available
Evap. Rate:	No data available	Auto-Ignition Temp:	No data available.
Molecular weight:	No data available	UFL/LFL:	No data available
Decomp Temp:	No data available.		

Lower Explosion Limits: No data available.

Upper Explosion Limits: No data available.

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STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Avoid contact with heat, sparks, electric arcs, other hot surfaces, and open flames.
Materials to Avoid:	Strong reducing agents, acids, flammable materials, organic materials
Hazardous Decomposition:	Thermal decomposition may release: carbon monoxide, carbon dioxide, and oxides of nitrogen.
Hazardous Polymerization:	Will not occur under normal conditions.

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TOXICOLOGICAL INFORMATION

Toxicity Data:

EYE: Causes eye irritation and burns. May cause: blurred vision, redness, pain, conjunctivitis, ulcerations, tissue destruction, permanent eye damage.

DERMAL: Causes severe irritation and burns. Concentrated solutions may cause: severe burns, severe necrosis, permanent skin damage. Prolonged and repeated exposure to dilute solutions may cause irritation, redness, pain and drying and cracking of the skin.

- » Sodium Nitrite Dermal LD50 - no data available
- » Sodium Nitrate Dermal LD50 - no data available

INHALATION: May be harmful if inhaled. Material is extremely destructive to mucous membranes and upper respiratory tract.

- » Sodium Nitrite Inhalation LC50 - no data available



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» Sodium Nitrate Inhalation LC50 - no data available

ORAL: May be harmful if swallowed. May cause damage to the: mouth, throat, esophagus, stomach, gastrointestinal tract.

» Sodium Nitrite Oral LD50 - rat: 157 mg/kg

» Sodium Nitrate Oral LD50 - rat: 3430 mg/kg

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA.

Mutagenicity: No data available

Teratogenicity: No data available

Fertility Effects:

» Sodium Nitrate - **Reproductive Toxicity:** Mouse - Male: Paternal effects: Spermatogenes

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ECOLOGICAL INFORMATION

Biodegradability: No data available

Toxicity to fish:

» Sodium Nitrate: Static test LC50 - Gambusia affinis (Mosquito fish) - 6,650 mg/l - 96 h.

» Sodium Nitrite: Flow-through test LC50 - Oncorhynchus mykiss (rainbow trout) - 0.94 - 1.92 mg/l - 96.0 h

Toxicity to daphnia

» Sodium Nitrate: EC50 - Daphnia magna (Water flea) - 6,000 mg/l - 24 h.

» Sodium Nitrite: EC50 - Daphnia magna (Water flea) 15.4 mg/l - 48 h.

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DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

This material is not listed as a hazardous waste if and when it is discarded.

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TRANSPORT INFORMATION

Not DOT regulated as a hazardous product.

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REGULATORY INFORMATION

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory CODE Descriptions

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

SARA313 = SARA 313 Title III Toxic Chemicals

OSHA WAC = OSHA workplace Air Contaminants

TXAIR = TX Air Contaminants with Health Effects Screening Level

FEDERAL REGULATIONS

TSCA Inventory Status: All components of this product are listed as "Active" on the Toxic Substances Control Act



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(TSCA) 8 (b) Inventory.

CERCLA / SARA Emergency Reporting: A spill or release of this material may trigger the emergency release reporting requirements under CERCLA (40 CFR Part 300) and/or SARA Title III (40 CFR Part 355). State or local reporting requirements may differ from federal requirements.

» **Sodium Nitrite CERCLA reporting amount - 100 lbs.**

Clean Water Act (CWA): The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA. »

Nothing to report

STATE REGULATIONS

California- The following components are listed under Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer.

Massachusetts - RTK Substances: The following components are listed: None listed

New Jersey - RTK Substances: The following components are listed: None listed

Pennsylvania - RTK Substances: The following components are listed: None listed

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OTHER INFORMATION

Prepared By: P May

Reason For Revision: Updated GHS & Regulatory Information

Disclaimer:

This information is given in good faith and based on our current knowledge of the product. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

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