SAFETY DATA SHEET CHEM-AQUA 10270

Supercedes Date: 08/19/2019 **Issuing Date:** 05/28/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CHEM-AQUA 10270
Recommended use Water treatment chemical
Information on Manufacturer
CHEM-AQUA, INC
BOX 152170
IRVING, TEXAS 75015

Product Code: TZ50
Chemical nature Mixture of inorganic salts
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Purple Pink - Light orange **Physical state** Liquid **Odor** Strong Acrid
Appearance Transparent - Hazy

GHS Classification

Physical Hazards
None

Health Hazard
Respiratory sensitization Category 1

Hazards not otherwise classified (HNOC)
Not applicable

Labeling
Signal word
Danger



Hazard statements
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements
Avoid breathing mist.
In case of inadequate ventilation wear respiratory protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a physician.

Dispose of contents and container in accordance with applicable regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Sodium bisulfite	7631-90-5	15-40
Sodium sulfite	7757-83-7	3-7

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

4. FIRST AID MEASURES

General advice Show this safety data sheet to the doctor in attendance.

Eye contact No hazards which require special first aid measures.

Skin contact No hazards which require special first aid measures.

Inhalation May cause allergic respiratory reaction. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Ingestion May produce an allergic reaction. Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical attention.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct

contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. See section 8 for more information.

Most important symptoms and effects, both acute and delayed

Symptoms May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/ or wheezing. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash
Method No data available
Flammability Limits in Air %: Not applicable.
Upper flammability limit: No information available
Lower flammability limit: No information available

Suitable Extinguishing Media

Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

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

NFPA	**Health hazards** 2	**Flammability** 0	**Stability** 0
HMIS	**Health hazards** 2	**Flammability** 0	**Physical Hazard** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Pick up and transfer to properly labeled containers.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing mist.					
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.					
Storage Temperature	**Minimum**	35 °F / 2 °C		**Maximum**	120 °F / 49 °C	
Storage Conditions	**Indoor**	X	**Outdoor**	**Heated**		**Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Minimize exposure by partial enclosure of the operation or equipment and provide extract ventilation at openings.

Personal Protective Equipment

- **Eye/Face Protection** Safety glasses with side-shields.
- **Skin Protection** For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
- **Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations Remove and wash contaminated clothing before re-use. Ensure that eyewash stations and safety showers are close to the workstation location. Wear protective gloves/clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Kinematic viscosity**	Non viscous
Color	Purple Pink - Light orange	**Odor**	Strong Acrid
Odor threshold	Not applicable	**Appearance**	Transparent - Hazy
pH	5.9	**Specific Gravity**	1.295
Evaporation Rate	0.41 (Butyl acetate=1)	**Percent Volatile (Volume)**	77
VOC content	0	**VOC Content (g/L)**	0
Product VP (mmHg @ 70°F)	13.365	**Relative vapor density**	0.6 (air = 1)
Solubility(ies)	Completely soluble	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition temperature**	No data available
Initial boiling point and boiling range	> 212 °F / > 100 °C	**Flammability (solid, gas)**	No data available
Flash Point	Does not flash	**Method**	No data available
Autoignition Temperature	No information available		

Flammability Limits in Air %: Not applicable

Upper flammability limit: No information available **Lower flammability limit:** No information available

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.
Conditions to Avoid Extremes of temperature and direct sunlight.
Incompatible Products Strong oxidizing agents, Acids, Metal nitrates, Metals, Alkalis.
Decomposition temperature No data available
Hazardous decomposition products Carbon oxides, Sulfur oxides, Sodium oxides, Potassium oxides, Oxides of phosphorus.
Possibility of Hazardous Reactions None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available

The following ATE values have been calculated for the mixture
ATEmix (oral) No information available
ATEmix (dermal) No information available
Inhalation LC50
ATEmix (inhalation-gas) No information available
ATEmix (inhalation-dust/mist) No information available
ATEmix (inhalation-vapor) No information available

Principle Route of Exposure Skin contact, Eye contact, Inhalation.
Primary Routes of Entry Skin contact, Skin Absorption, Ingestion.
Acute Effects:
Eyes Low hazard for usual industrial or commercial handling.
Skin Low hazard for usual industrial or commercial handling.
Inhalation May cause irritation of respiratory tract. May cause sensitization by inhalation.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic toxicity May cause sensitization of susceptible persons.
Target organ effects No information available.
Aggravated Medical Conditions Respiratory disorders, Skin disorders.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Others
Sodium bisulfite 7631-90-5	= 1310 mg/kg (Rat)	No information available	No information available	No data available	No data available
Sodium sulfite 7757-83-7	2610 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 22 mg/L (Rat) 1 h	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium bisulfite 7631-90-5	No data available	No data available	No data available	No data available	Skin Eyes Respiratory system
Sodium sulfite 7757-83-7	No data available	Respiratory Sensitizer	No data available	No data available	No data available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA	Other
Sodium bisulfite 7631-90-5	A4 - Not Classifiable as a Human Carcinogen	Group 3	-	-	Not applicable
Sodium sulfite 7757-83-7	-	Group 3	-	-	Not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available

Persistence and Degradability No information available
Bioaccumulation No information available
Mobility No information available

Additional Ecological Information: Toxicity data will be furnished on request.

Component Information No information available

Persistence and degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

Inventories
TSCA Listed
DSL/NDSL Listed
US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Sodium bisulfite	5000 lb	-

16. OTHER INFORMATION

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Revision Note No information available
Glossary No information available
List of References. No information available

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