

Safety Data Sheet: ANCO-OX 1030

Supersedes Date 01/25/2012

Issuing Date 06/09/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ANCO-OX 1030
Recommended use Water treatment chemical
Information on Manufacturer
CHEM-AQUA, INC
BOX 152170
IRVING, TEXAS 75015

Product Code 6TZ5
Chemical nature Aqueous solution
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color dark brown

Physical State Liquid

Odor Acrid

GHS

Classification

Physical Hazards

None

Health Hazard

Skin Corrosion/Irritation
Serious Eye Damage/Eye Irritation
Respiratory Sensitization
Skin Sensitization

Category 2

Category 2B

Category 1

Category 1

Other hazards

None

Labeling

Signal Word

DANGER



Hazard Statements

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H320 - Causes eye irritation
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statements

P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P261 - Avoid breathing vapor or mist.
P272 - Contaminated work clothing should not be allowed out of the workplace
P285 - In case of inadequate ventilation wear respiratory protection
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs, get medical attention.
P362 - Take off contaminated clothing and wash before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311 - If experiencing respiratory symptoms, call a physician
P501 - Dispose of contents and container in accordance with applicable regulations.

11 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Sodium bisulfite	7631-90-5	10-30
Potassium sulfite	10117-38-1	3-7
Sodium sulfite	7757-83-7	3-7

4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing mist.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation	Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician	May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point	Does not flash	Method	Not applicable
Flammability Limits in Air %	Not applicable.	Upper	No data available
Suitable Extinguishing Media	Water spray, Carbon dioxide (CO2), Foam, Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	Lower	No data available
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, MSHA/NIOSH (approved or equivalent) and full protective gear.			
NFPA	Health 2	Flammability 0	Instability 0
HMS	Health 2	Flammability 0	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. 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 vapors or mists.
Storage	Store in original container. Keep container tightly closed in a dry and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.
Storage Temperature	Minimum 45 °F / 7 °C Maximum 105 °F / 41 °C
Storage Conditions	Indoor X Outdoor Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines**

Component	ACGIH TLV	OSHA PEL	NIOSH
Sodium bisulfite	TWA: 5 mg/m ³	No data available	TWA: 5 mg/m ³
Potassium sulfite	No data available	No data available	No data available
Sodium sulfite	No data available	No data available	No data available

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.
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	Wear suitable protective clothing, Impervious gloves.
Respiratory Protection	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Non viscous
Color	dark brown	Odor	Acrid
Odor Threshold	Not applicable	Appearance	Transparent - Opaque
pH	6	Specific Gravity	1.31
Evaporation Rate	0.39 (BuAc = 1)	Percent Volatile (Volume)	74.7
VOC Content (%)	0	VOC Content (g/L)	0
Vapor Pressure	12.4 mmHg @ 70°F	Vapor Density	0.6 (air = 1)
Solubility	Completely soluble	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	> 212 °F / 100 °C	Flammability (solid, gas)	No data available
Flash Point	Does not flash	Method	Not applicable
Autoignition Temperature	No information available.		
Flammability Limits in Air %	Not applicable.	Upper No data available	Lower No data available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known
Incompatible Products	Strong oxidizing agents, Acids.
Hazardous Decomposition Products	Carbon oxides, Sulfur oxides, Sodium oxides.
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50	4,967.80
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	75.09
Vapor	75.09

Principle Route of Exposure	Skin contact, Eye contact, Inhalation.
Primary Routes of Entry	Skin Absorption, Inhalation, Ingestion.

Acute Effects

Eyes	Causes eye irritation.
Skin	Causes skin irritation. May cause allergic skin reaction.
Inhalation	May cause irritation of respiratory tract. May cause allergic respiratory reaction.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May produce an allergic reaction.

Chronic Toxicity May cause sensitization by skin contact. May cause sensitization by inhalation.

Target Organ Effects Respiratory system, Immune system, Eyes, Skin, Central Nervous System.

Aggravated Medical Conditions Skin disorders, Respiratory disorders, Neurological disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Sodium bisulfite	= 1420 mg/kg (Rat)	no data available	no data available	no data available	no data available
Potassium sulfite	no data available	no data available	no data available	no data available	no data available
Sodium sulfite	= 820 mg/kg (Rat)	no data available	> 22 mg/L (Rat) 1 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium bisulfite	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Potassium sulfite	no data available	no data available	no data available	no data available	no data available
Sodium sulfite	no data available	Skin sensitization, respiratory sensitization	no data available	no data available	Respiratory system, Immune system, CNS

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Sodium bisulfite	not applicable	not applicable	not applicable	not applicable	not applicable
Potassium sulfite	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium sulfite	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information	No information available.
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Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Sodium bisulfite	no data available	LC50 = 240 mg/L <i>Gambusia affinis</i> 96 h	no data available	EC50 119 mg/L <i>Daphnia magna</i> 48 h	N/A
Potassium sulfite	no data available	LC50 220 - 460 mg/L <i>Leuciscus idus</i> 96 h	EC50 = 780 mg/L 17 h	no data available	N/A
Sodium sulfite	no data available	LC50 220 - 460 mg/L <i>Leuciscus idus</i> 96 h	EC50 = 770 mg/L 17 h	LC50 330 mg/L <i>Psammococcus miliaris</i> 24 h	-4

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 Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA

Complies

DSL

Complies

U.S. 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 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Sodium bisulfite	5000 lb	Not applicable
Potassium sulfite	Not applicable	Not applicable
Sodium sulfite	Not applicable	Not applicable

16. OTHER INFORMATION

Prepared By

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Reason for Revision

No information available.

Glossary

No information available.

List of References.

No information available.

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