

Safety Data Sheet: CHEM-AQUA 10300

Supersedes Date 01/25/2012

Issuing Date 06/09/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CHEM-AQUA 10300
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

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	Dralze 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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