

Safety Data Sheet BP-600

Supersedes Date 01/09/2014

Issuing Date 12/28/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name BP-600
Recommended use Water treatment chemical
Information on Manufacturer
CHEM-AQUA
253 ORENDA ROAD
BRAMPTON ONT L6T 1E6

Product Code 4483
Chemical nature Sodium salts
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Off white

Physical state Solid

Odor Pungent

GHS

Classification

Physical Hazards

None

Health Hazard

Serious Eye Damage/Eye Irritation

Category 1

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H318 - Causes serious eye damage

Precautionary Statements

P280 - Wear protective gloves, protective clothing, eye protection and face protection.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a physician.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Sodium bisulfate	7681-38-1	60-100

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

4. FIRST AID MEASURES

General advice

Do not get in eyes, on skin or on clothing. Do not breathe dust.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. 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 breathing has stopped, apply artificial respiration. Get medical attention immediately.

Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Notes to physician

Causes eye burns.

5. FIRE-FIGHTING MEASURES

Flash Point Not applicable	Method not applicable	Lower: No data available
Flammability Limits in Air %: No information available.	Upper: No data available	
Suitable Extinguishing Media		
Water spray. Dry chemical. Foam. Carbon dioxide (CO ₂). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Specific hazards arising from the chemical		
None known.		
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 3	Flammability 0
HMIS	Health 3	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	Cover powder spill with plastic sheet or tarp to minimize spreading.
Methods for Cleaning Up	Pick up and arrange disposal without creating dust.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Do not get in eyes, on skin or on clothing. Do not breathe dust. Avoid dust formation.			
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	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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	Tightly fitting safety goggles. Face-shield.
Skin Protection	Wear suitable protective clothing, Impervious gloves.
Respiratory Protection	In case of inadequate ventilation wear respiratory protection.
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	Solid	Viscosity	Granular
Color	Off white	Odor	Pungent
Odor Threshold	Not applicable	Appearance	Opaque
pH	Not applicable	Specific Gravity	1.28
Bulk Density (lb/cu ft)	85.5	Evaporation Rate	Not applicable
Percent Volatile (Volume)	0	VOC Content (%)	0
VOC Content (g/L)	0	Vapor Pressure	Not applicable
Vapor Density	Not applicable	Solubility	Partially soluble in water
n-Octanol/Water Partition	No data available	Melting Point/Range	351 °F / 177 °C
Decomposition Temperature	No data available	Boiling Point/Range	No data available
Flammability (solid, gas)	No data available		
Flash Point	Not applicable	Method	not applicable
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	No information available	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, Chlorine-based bleaching agents, Ammonia, Acids, Alkalis.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Sulfur oxides.

Possibility of Hazardous Reactions

None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 No information available

Dermal LD50 No information available

Inhalation LC50

Gas No information available

Mist No information available

Vapor No information available

Principle Route of Exposure Eye contact, Skin contact, Inhalation, Ingestion.

Primary Routes of Entry Skin contact, Eye contact.

Acute Effects:

Eyes Corrosive to the eyes and may cause severe damage including blindness.

Skin May cause slight irritation.

Inhalation May cause irritation of respiratory tract.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Can burn mouth, throat, and stomach.

Chronic Toxicity Inhaled corrosive substances can lead to a toxic edema of the lungs.

Target Organ Effects Respiratory system, Immune system.

Aggravated Medical Conditions Respiratory disorders, Skin disorders.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Sodium bisulfate 7681-38-1	= 2490 mg/kg (Rat)	no data available	No data available	No data available	No data available

Carcinogenicity

Contains no ingredient listed as a carcinogen.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Sodium bisulfate	No information available.	No information available.	No information available	190: 48 h Daphnia magna mg/L EC50	N/A

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	No	No	No	No

CERCLA

16. OTHER INFORMATION

Prepared By Samantha Purvis

Supersedes Date 01/09/2014

Issuing Date 12/28/2016

Reason for Revision No information available.

Glossary No information available.

List of References. No information available.

CHEM-AQUA assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.