



# PMC WATER SYSTEMS SERVICES INC.

## 124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

TEL 905 669 8262, FAX 905 669 8252, EMAIL [info@pmcwatersystems.com](mailto:info@pmcwatersystems.com), [www.pmcwatersystems.com](http://www.pmcwatersystems.com)

### SAFETY DATA SHEET B-3102

#### Protection Required



#### SECTION 1 - MATERIAL IDENTIFICATION AND USE

**Manufacturer's Name** : PMC Water Systems Services Inc.  
**Manufacturer's Address** : 124 Connie Crescent, Unit 9, Concord, ON L4K 1L7  
**Manufacturer's Phone #** : (905) 669-8262  
**24 Emergency Phone #** : Canutec (613) 996-6666  
**Product Identifier** : B-3102  
**Product Use** : Water treatment

#### SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD <sub>50</sub>	LC <sub>50</sub>
Sodium Sulphite	95-100%	7757-83-7	820 mg/kg (oral – rat)	22mg/L 1h, (inhalation – rat)
Sodium Sulphate	1-2%	7757-82-6	10000 mg/kg (oral – rat)	Not Data Available
Cobalt Sulphate	0.04%	10124-43-3	Not Data Available	Not Data Available

#### SECTION 3 – HAZARDS IDENTIFICATION

**Hazard Statement** : May be harmful in contact with skin. May causes eye irritation.  
**Precautionary Statement** : Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. If on skin - Wash with plenty of soap and water. If on skin (or hair) - Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled - Remove victim to fresh air and keep at rest in a position comfortable for breathing. If in eyes - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

#### SECTION 4 – FIRST AID MEASURES

**Eye Contact** : In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.  
**Skin Contact** : Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.  
**Inhalation** : Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.  
**Ingestion** : Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.  
**Notes to Physician** : Treatment based on sound judgment of physician and individual reactions of patient. Note potential for anaphylactic shock with allergic individuals.

#### SECTION 5 - FIRE FIGHTING MEASURES

**Flammability** : Not Flammable  
**Flash Point** : Not Applicable  
**Autoignition Temperature** : Not Available  
**Extinguishing media** : Use DRY chemicals, CO<sub>2</sub>, alcohol foam or water spray.  
**Special Firefighting Procedures/Equipment** : Fire fighters should wear full protective clothing, including self-contained breathing equipment.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Safety goggles. Wear protective clothing and equipment.
<b>Environment precautions</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Consult local authorities.
<b>Spill Response/Cleanup</b>	Sweep up spilled solid material being careful not to create dust. Cautiously spray residue with plenty of water. Provide ventilation to clear sulfur dioxide fumes which may be generated by the sodium sulfite component.

## SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Do not breathe dust. Do not consume food, drink or smoke while handling this material. Use good personal hygiene. Keep away from acids and oxidizing agents.
<b>Storage Requirements</b>	Store in a cool, dry, well-ventilated area, away from heat and ignition sources. Place away from incompatible materials. Store in accordance with good industrial practices.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Ventilation</b>	Local exhaust if dusty conditions exist or if there is a release of sulfur dioxide gas. Do not use in unventilated spaces.
<b>Respiratory Protection</b>	Where required, use a NIOSH-approved respirator for dust, mist and/or sulfur dioxide gas, as conditions indicate. Some exposures may require a NIOSH-approved self-contained breathing apparatus or supplied-air respirator.
<b>Skin Protection</b>	gloves, full work clothing, including long-sleeved shirt and pants.
<b>Eye/Face Protection</b>	Chemical safety goggles; Do NOT wear contact lenses.
<b>Other Comments</b>	An eyewash station and safety shower should be available

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	:	Solid
<b>Odour and Appearance</b>	:	Odourless; off-white
<b>Odour Threshold</b>	:	Not Available
<b>Specific Gravity (Water = 1)</b>	:	2.63
<b>Vapour Pressure (mmHg)</b>	:	Not Available
<b>Vapour Density (Air = 1)</b>	:	Not Available
<b>Evaporation Rate</b>	:	Not Available
<b>Boiling Point</b>	:	Not Available
<b>Freezing/Melting Point</b>	:	Decomposes at 900°C, 1652°F
<b>pH</b>	:	5% solution is approximately 8
<b>Solubility in Water</b>	:	17% at 10°C, 50°F; 28% at 33°C, 92°F

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability/Reactivity</b>	Avoid high temperatures (at decomposition 900°C, 1652°F); yields sulfur dioxide gas and hazardous residue.
<b>Conditions for Instability</b>	None known.
<b>Incompatible Materials</b>	Strong oxidizers. Contact with acids.
<b>Hazardous Decomposition Products</b>	Sulphur dioxide and sodium sulphite residue.
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Skin Contact</b>	:	Dust or mist may cause skin irritation from prolonged contact. Solutions will cause skin irritation.
<b>Eye Contact</b>	:	Dust or mist may irritate or burn eyes. Solutions will irritate.
<b>Ingestion</b>	:	May result in irritation of the mouth and gastrointestinal tract.
<b>Inhalation</b>	:	Inhalation of dust may cause coughing and sneezing.
<b>Chronic Exposure Effects</b>	:	No Data Available
<b>Irritancy</b>	:	No Data Available
<b>Sensitization</b>	:	No Data Available
<b>Carcinogenicity</b>	:	Sodium sulphite listed as Group 3 carcinogen (Not classifiable for humans) by IARC: Cobalt sulphate listed as Group 2B carcinogen by IARC.

**Teratogenicity** : Not Available  
**Mutagenicity** : Not Available  
**Reproductive Effects** : Not Available

## SECTION 12 – ECOLOGICAL INFORMATION

**General Comments** Sodium sulphite is not considered to be environmentally hazardous or toxic.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal** Dispose in accordance with federal, provincial or local government requirements. Contact your local, provincial or federal environmental agency for specific regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

## SECTION 14 – TRANSPORT INFORMATION

**TDG Shipping Regulations** Not TDG Regulated  
**Domestic Substances List** All ingredients are listed on the DSL or are not required to be listed.

## SECTION 15 – REGULATORY INFORMATION

**WHMIS Classification** Non-controlled

## SECTION 16 – OTHER INFORMATION

**Prepared by:** Lab Services  
PMC Water Systems Services Inc.  
124 Connie Crescent, Unit 9  
Concord Ontario L4K 1L7

**Preparation Date:** June 22, 2018

---

While all the data presented is believed to be accurate at the time of preparation, PMC Water Systems Services Inc. makes no warranty; the data is offered for your consideration, investigation and verification.