



PMC WATER SYSTEMS SERVICES INC.
124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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MATERIAL 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 #	LD₅₀	LC₅₀
Sodium Sulphite	95-100%	7757-83-7	820mg/kg, oral – rat	22mg/L 1h, inhalation – rat
Sodium Sulphate	1-2%	7757-82-6	10000 mg/kg, oral - rat	Not Data Available

SECTION 3 – HAZARDS IDENTIFICATION

Acute Health Effects
Eye Contact Dust or mist may irritate or burn eyes. Solutions will irritate.
Skin Contact Dust or mist may cause skin irritation from prolonged contact. Solutions will cause skin irritation.
Inhalation Inhalation of dust may cause coughing and sneezing.
Ingestion May result in irritation of the mouth and gastrointestinal tract.

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 laundry 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, CO2, alcohol foam or water spray.
Special Firefighting Procedures/Equipment Fire fighters should wear full protective clothing, including self-contained breathing equipment.
Hazardous Combustion Products Not Available

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Safety goggles. Wear protective clothing and equipment.
Environment precautions	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Consult local authorities.
Spill Response/Cleanup	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

Handling	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.
Storage Requirements	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

Ventilation	Local exhaust if dusty conditions exist or if there is a release of sulfur dioxide gas. Do not use in unventilated spaces.
Respiratory Protection	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.
Skin Protection	gloves, full work clothing, including long-sleeved shirt and pants.
Eye/Face Protection	Chemical safety goggles; Do NOT wear contact lenses.
Other Comments	An eyewash station and safety shower should be available

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 10 – STABILITY AND REACTIVITY

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

SECTION 11 – TOXICOLOGICAL INFORMATION

Skin Contact	: Dust or mist may cause skin irritation from prolonged contact. Solutions will cause skin irritation.
Eye Contact	: Dust or mist may irritate or burn eyes. Solutions will irritate.
Ingestion	: May result in irritation of the mouth and gastrointestinal tract.
Inhalation	: Inhalation of dust may cause coughing and sneezing.
Chronic Exposure Effects	: No Data Available
Irritancy	: No Data Available
Sensitization	: No Data Available
Carcinogenicity	: Sodium sulphite listed as Group 3 by IARC
Teratogenicity	: Not Available
Mutagenicity	: Not Available
Reproductive Effects	: Not Available

SECTION 12 – ECOLOGICAL INFORMATION

General Comments Sodium sulfite 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
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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.
