

MATERIAL SAFETY DATA SHEET

IDENTIFICATION & USE	TYPE OF PRODUCT Zero Dissolved Oxygen Standard		CHEMICAL FAMILY Inorganic Salt Solution							
	PRODUCT NUMBER A1100193		FORMULA sodium sulphite							
	MANUFACTURER'S NAME AND ADDRESS IC CONTROLS		PRODUCT USE							
	29 Centennial Rd.		EMERGENCY TELEPHONE NO. IC CONTROLS: (519)941-8161							
	Orangeville, Ont. L9W 1R1		Poison Info Centre: 1 800 268-9017							
	CONTAINER SIZE AND TYPE 500 mL glass bottle		USE AS RECEIVED	YES						
HAZARDOUS INGREDIENTS	SHIPPING NAME not regulated		CLASS		not listed					
	PIN	WHMIS Classification Class D, Division 2—other toxic effects		PACKING GROUP not listed						
	CONCENTRATION*	HAZARDOUS	INGREDIENTS	CHEMICAL NAMES	LD ₅₀ mg/kg	LC ₅₀ **	CAS REGISTRY NO.			
	1 2		sodium sulphite		N.Av.	N.Av.	7757-83-7			
	3 0.01		cobalt (II) chloride, anhydrous		N.Av.	N.Av.	7646-79-9			
PHYSICAL DATA	FREEZING POINT		N. Av. °C	MELTING POINT		N. Appl. °C	BOILING POINT		102 °C	
	VAPOUR PRESSURE			VAPOUR DENSITY (AIR = 1)			SPECIFIC GRAVITY (H ₂ O = 1)		1	
	COEFFICIENT OF WATER/OIL DISTRIBUTION		No Data	EVAPORATION RATE		No Data	pH AT 25 °C			
	ODOUR THRESHOLD		No Data	PHYSICAL STATE		GAS	LIQUID	PASTE	SOLID	POWDER
	ODOUR AND APPEARANCE		Clear, colorless liquid							
	FLASH POINT AND METHOD OF DETERMINATION		Not applicable			FLAMMABLE LIMITS		L.E.L.	U.E.L.	
FIRE & EXPLOSION DATA	CONDITIONS OF FLAMMABILITY		non-flammable							
	MEANS OF EXTINCTION		Use any means as appropriate for surrounding material.							
	HAZARDOUS COMBUSTION PRODUCTS									
			AUTO IGNITION TEMP.							
	EXPLOSION DATA		SENSITIVITY TO MECHANICAL IMPACT		No Data					
			SENSITIVITY TO STATIC DISCHARGE		No Data					
SPECIAL FIRE FIGHTING PROCEDURES		Don't allow runoff to enter sewers or waterways.								

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REACTIVITY	STABLE	YES	CONDITIONS TO AVOID		PRODUCT NUMBER	A1100193 zero D.O. standard	
	UNSTABLE						
	INCOMPATIBILITY—MATERIALS TO AVOID						
	HAZARDOUS DECOMPOSITION PRODUCTS sulphur oxides, sodium oxide, and sodium sulfide residue at high temperatures						
HEALTH HAZARD DATA	HAZARDOUS ROUTES OF ENTRY		INHALATION	INGESTION	EYE CONTACT	SKIN CONTACT	SKIN ABSORPTION
				YES	YES	YES	
	EFFECTS OF EXPOSURE (ACUTE) Eyes, skin, mucous membranes: may cause irritation, redness.						
	EFFECTS OF EXPOSURE (CHRONIC) No data						
	EXPOSURE LIMITS						
	SENSITIZATION TO PRODUCT						
	CARCINOGENICITY Not listed as a carcinogen by NTP, IARC or OSHA.						
	OTHER TOXICOLOGICAL EFFECTS						
	EMERGENCY AND FIRST AID PROCEDURES Eyes: immediately flush eyes with a stream of running water for a minimum of 20 minutes. contact physician. Skin: wash skin thoroughly with soap and water. Ingestion: do not induce vomiting. Drink water. Contact physician. Large doses may result in circulatory disturbances, diarrhea, and CNS depression.						
	PREVENTIVE MEASURES	RESPIRATORY PROTECTION					
		VENTILATION	LOCAL EXHAUST use general adequate ventilation			SPECIAL	
MECHANICAL (GENERAL)			OTHER				
HAND PROTECTION protective gloves			EYE PROTECTION splash-proof chemical goggles				
PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL Flush spilled material to drain with water.							
WASTE DISPOSAL METHOD Dispose of in accordance with local, provincial, or federal regulations as required.							
HANDLING PROCEDURES AND EQUIPMENT Avoid contact with skin, eyes, and clothing. Wash hands after handling.							
NFPA rating: health: 1; fire: 0; reactivity: 0; specific: none							
STORAGE REQUIREMENTS Keep bottle sealed. Avoid exposure of solution to air to preserve product integrity.							
PREPARATION	PREPARED BY Peter Bakker		APPROVED BY Peter Bakker				
	TITLE		TITLE		TELEPHONE		
			Chemistry Manager		(519) 941-8161		
			<i>Peter Bakker</i>		DATE November 5, 2009		
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