

Section 1 - Product and Company Identification

Product Name:	Sodium Metabisulfite				
Chemical Formula	Na ₂ S ₂ O ₅				
Other Designations	Sodium Pyrosulfite, Disodium Pyrosulfite, Pyrosulfurous Acid, Disodium Salt, Sodium Disulphite.				
CAS Number:	007681-57-4				
General Use:	Food preservative, pharmaceutical manufacture, water dechlorination agent, lab reagent and other chemical process applications.				
Manufacturer:	INEOS Calabrian Corporation 5500 Hwy. 366 Port Neches, Texas 77651				
Telephone:	409-727-1471	Fax:	409-727-5803	Emergency Contact:	CHEMTREC 800-424-9300

Section 2 – Hazard Identification

GHS Classification	Acute Toxicity, Oral (Category 4) Serious Eye Damage (Category 1)		Hazard Statement H302 – Harmful if swallowed H318 – Causes serious eye damage
Symbol(s):	 	Signal Word: DANGER	
NFPA Rating Health Hazard – 2 Fire – 0 Reactivity – 0	Precautionary Statement		
	P264	Wash skin thoroughly after handling.	
	P270	Do not eat, drink, or smoke when using product	
	P280	Wear Eye Protection/ Face Protection	
	P301 + P312 +P330	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.	
	P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER, doctor.	
Other Hazards	Contact with acids or water liberates toxic sulfur dioxide gas.		

Section 3 – Composition / Information on Ingredients

Composition	CAS Number	% Wt.
Sodium Metabisulfite	007681-57-4	98% (wt.)
Sodium Sulfite	007757-83-7	1 % (wt.)
Sodium Sulfate	007757-82-6	1 % (wt.)

Section 4 – First Aid Measures

Exposure Route	
Inhalation:	Remove from exposure to fresh air. Seek medical attention in severe cases or if recovery is not rapid.
Eye:	Irrigate with water until no evidence of chemical remains. Rinse thoroughly with plenty of water for at least 15 minutes. Obtain medical attention.
Skin:	Wash with soap and plenty of water. Consult with physician.
Ingested	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician
Seek appropriate medical attention and provide SDS to attending Physician.	

Section 5 - Fire-Fighting Measures			
Flash Point:	Not combustible.	Flammability Classification:	Not Flammable.
Flash Point Method:	Not Applicable.	UEL:	Not Applicable.
Burning Rate:	Not Applicable.	LEL:	Not Applicable.
Auto Ignition Temperature:	Not Applicable.		
Extinguishing Media:	Dry Powder is Recommended.		
Unusual Fire or Explosion Hazards:	None indicated.		
Hazardous Combustion Product:	May release hazardous gas. (Sulfur oxides, Sodium Oxides)		
Fire-Fighting Instructions:	Do not release runoff from fire control methods to sewers or waterways		
Fire-Fighting Equipment:	Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face operated in pressure-demand or positive- pressure mode.		

Section 6 – Accidental Measures	
Spill / Leak Procedures	Wear appropriate PPE – Section 8
Small Spills / Leaks	Spills can be neutralized with an alkaline material such as caustic soda. Leaks may be located by spraying the area with Ammonium hydroxide solution which forms a white fume in the presence of Sulfur Dioxide.
Large Spills / Leaks	Large spills should be handled according to a predetermined plan.
Containment	For Large spills, dike far ahead of contaminated runoff for later disposal.

Section 7 - Handling and Storage

Handling Precautions:	Avoid contact with product. Wear appropriate PPE. Do not breathe dust or vapor.
Storage Requirements:	Store in areas, away from heat and moisture and protect from physical damage. Segregate from acids and oxidizers.

Section 8 - Exposure Controls / Personal Protection:

Component: Sodium Metabisulfite		CAS Number: 007681-57-4
ACGIH (TLV) - TWA: 5 mg/m3	OSHA (PEL) - TWA: 5 mg/m3	NIOSH (REL) - TWA: 5 mg/m3
IDLH - NONE ESTABLISHED	Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA limit (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at the source.	Respiratory Protection: Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. Warning! Air purifying
IDLH - Immediately Dangerous to Life or Health PEL – Permissible Exposure Limit REL – Recommended Exposure Limit TLV – Threshold Limit Value ACGIH – American Conference of Governmental Industrial Hygienists TWA – Time Weighted Average based on 8 hour exposure days and a 40 hour week.		
Protective Clothing / Equipment: Wear protective gloves, boots, and clothing when necessary to prevent excessive skin contact. Wear protective eyeglasses or goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133).	Safety Stations: Make emergency eyewash stations, showers, and washing facilities available in the work area.	Contaminated Equipment: Remove this material from personal protective equipment as needed. Comments: Do not eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before food or beverage consumption.

Section 9 - Physical and Chemical Properties

Physical State:	Solid Crystal White	Water Solubility:	45% @ 20° C
Appearance:	White	Other Solubility:	N/A
Odor Threshold:	Pungent SO2 odor	Boiling Point:	N/A
Vapor Density (Air=1):	N/A	Freezing Point:	N/A
Vapor Pressure:	N/A	Melting Point:	150° C/ 302°F
Density:	N/A	Evaporation Rate:	Normal
Specific Gravity (H2O=1):	1.5	pH:	4.0-4.5 (10% Soln.)
Formula Weight:	190.11	% Volatile	N/A

Section 10 - Stability & Reactivity

Stability:	Stable under normal conditions.
Polymerization:	Hazardous polymerization will not occur.
Chemical Incompatibilities:	Strong acids, strong oxidizing agents
Conditions to Avoid:	Avoid excessive heat or open flame.
Hazardous Decomposition Products:	May release hazardous sulfur dioxide gas.

Section 11 - Toxicological Information

Eye Effects (rabbit):	Causes serious eye damage	Acute Inhalation Effects (rat):	4 h - >5.5 mg/l
Dermal (rats):	>2,000 mg/kg	Acute Oral Effects (rat):	LD50 = 1,540 kg/kg
Carcinogenicity:		IARC, NTP, and OSHA do not list Sodium Metabisulfite as a carcinogen.	
Chronic Effects:	Prolonged or repeated exposure may cause dermatitis, and sensitization reactions. Exposure to asthmatic, atopic and sulfite sensitive individuals may result in severe bronchoconstriction and reduced levels in forced expiratory volume. Decomposition of sodium bisulfite solutions may release toxic and hazardous fumes of sulfur oxides, including sulfur dioxide, which may cause permanent pulmonary impairments from acute and chronic exposure. The Immediately Dangerous to Life or Health (IDLH) level for SO2 is 100 ppm.		
Skin	Contact with skin may result in irritation. Sulfite sensitive individuals may show signs of allergic contact dermatitis from requested or prolonged skin exposure.		
Inhalation:	Inhalation dust may result in respiratory tract irritation. May cause asthma-like symptoms in sensitive individuals.		
Ingestion	Swallowing can cause result in nausea, vomiting, diarrhea, and abdominal pain. May also cause allergic reactions in sulfite sensitive individuals.		

Section 12 - Ecological Information

Ecotoxicity:	Sodium Metabisulfite is a non-hazardous solution commonly used as waste water dechlorination agent. High concentrations will contribute to elevated chemical oxygen demand in aquatic environments.		
96-hour LC50 (fish)	316 mg/l		
72-hour LC50 (Algae)	43.8 mg/l		
48- hour EC50	89 mg/l		
Environmental Transport:	Soluble in water.		
Environmental Degradation:	Rapid biological decomposition.		
Soil Absorption/Mobility:	Slight.		

Section 13 - Disposal Considerations

Disposal: Waste determinations typically consider Sodium Metabisulfite contamination materials to be non-hazardous.	Container Cleaning and Disposal: Follow applicable Federal, state and local regulations.
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Section 14 - Transport Information	
Shipping Name:	Sodium Metabisulfite, non-regulated material
Shipping Symbols:	N/A
Hazard Class:	N/A
Subsidiary Hazard:	N/A
ID No. (Placard):	N/A (No Placard Required)
Packing Group:	N/A
Label:	GHS Label
Reportable Quantity (RQ):	N/A

Section 15 - Regulatory Information			
EPA Regulations:			
RCRA Hazardous Waste Classification (40 CFR 261):	Not listed	FIFRA:	Not regulated.
CERCLA Hazardous Substance (40 CFR 302.4):	Listed	SARA Title III:	Not listed
CERCLA Reportable Quantity (RQ):	N/A	TSCA:	Inventory listed chemical; PAIR Reportable; Not listed in Toxic Substances Chemical Index
OSHA Regulations:			
OSHA Specifically Regulated Substance: Not listed.	Air Contaminant (29 CFR 1910.1000): Not listed.		
Other Regulations:			
Proposition 65 (California):	Not Listed	FDA (GRAS) – Regulated when used as food preservative	
IARC, NTP and OSHA Carcinogenicity – Not Listed		WHMIS Classification (Canada) – D2B	
Other Foreign Chemical Control Inventory Listing			
Canada DSL, Australia AICS, Chinese IECSC, European Union EINEC, Japanese MITI, Korean KECL, AND Philippines PICCS			

Section 16 - Other Information	
This product is NSF certified to NSF/ANSI Standard 60 and is subject to maximum use limit (MUL) of 15mg/l for potable water dichlorination applications.	
Previous SDS issue date:	September, 2016
Current SDS issue date:	June 2021
Reason for current revision	GHS Label Revision

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