

Section 1 - Product and Company Identification				
<b>Product Name:</b>	Sodium Metabisulfite			
<b>Chemical Formula</b>	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>			
<b>Other Designations</b>	Sodium Pyrosulfite, Disodium Pyrosulfite, Pyrosulfurous Acid, Disodium Salt, Sodium Disulphite.			
<b>CAS Number:</b>	007681-57-4			
<b>General Use:</b>	Food preservative, pharmaceutical manufacture, water dechlorination agent, lab reagent and other chemical process applications.			
<b>Manufacturer:</b>	INEOS Calabrian Corporation 5500 Hwy. 366 Port Neches, Texas 77651			
<b>Telephone:</b>	409-727-1471	<b>Fax:</b>	409-727-5803	<b>Emergency Contact:</b> CHEMTREC 800-424-9300

Section 2 – Hazard Identification		
<b>GHS Classification</b>	Acute Toxicity, Oral (Category 4) Serious Eye Damage (Category 1)	<b>Hazard Statement</b>
<b>Symbol(s):</b>	 The symbols are two red diamonds. The first contains a black icon of a hand being corroded by a liquid dripping from a test tube. The second contains a black exclamation mark.	<b>Signal Word: DANGER</b>
<b>NFPA Rating</b> Health Hazard – 2 Fire – 0 Reactivity – 0	<b>Precautionary Statement</b>	
	<b>P264</b>	Wash skin thoroughly after handling.
	<b>P270</b>	Do not eat, drink, or smoke when using product
	<b>P280</b>	Wear Eye Protection/ Face Protection
	<b>P301 + P312 + P330</b>	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
<b>P305 + P351 + P338 + P310</b>	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.	
<b>Other Hazards</b>	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

<b>Exposure Route</b>	
<b>Inhalation:</b>	Remove from exposure to fresh air. Seek medical attention in severe cases or if recovery is not rapid.
<b>Eye:</b>	Irrigate with water until no evidence of chemical remains. Rinse thoroughly with plenty of water for at least 15 minutes. Obtain medical attention.
<b>Skin:</b>	Wash with soap and plenty of water. Consult with physician.
<b>Ingested</b>	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.	

<b>Section 5 - Fire-Fighting Measures</b>			
<b>Flash Point:</b>	Not combustible.	<b>Flammability Classification:</b>	Not Flammable.
<b>Flash Point Method:</b>	Not Applicable.	<b>UEL:</b>	Not Applicable.
<b>Burning Rate:</b>	Not Applicable.	<b>LEL:</b>	Not Applicable.
<b>Auto Ignition Temperature:</b>	Not Applicable.		
<b>Extinguishing Media:</b>	Dry Powder is Recommended.		
<b>Unusual Fire or Explosion Hazards:</b>	None indicated.		
<b>Hazardous Combustion Product:</b>	May release hazardous gas. (Sulfur oxides, Sodium Oxides)		
<b>Fire-Fighting Instructions:</b>	Do not release runoff from fire control methods to sewers or waterways		
<b>Fire-Fighting Equipment:</b>	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.		

<b>Section 6 – Accidental Measures</b>	
<b>Spill / Leak Procedures</b>	Wear appropriate PPE – Section 8
<b>Small Spills / Leaks</b>	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.
<b>Large Spills / Leaks</b>	Large spills should be handled according to a predetermined plan.
<b>Containment</b>	For Large spills, dike far ahead of contaminated runoff for later disposal.

**Section 7 - Handling and Storage**

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

**Section 8 - Exposure Controls / Personal Protection:**

<b>Component:</b> Sodium Metabisulfite		<b>CAS Number:</b> 007681-57-4
<b>ACGIH (TLV) - TWA:</b> 5 mg/m3	<b>OSHA (PEL) - TWA:</b> 5 mg/m3	<b>NIOSH (REL) - TWA:</b> 5 mg/m3
<b>IDLH - NONE ESTABLISHED</b>	<b>Ventilation:</b> 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.	<b>Respiratory Protection:</b> 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
<b>IDLH - Immediately Dangerous to Life or Health</b> <b>PEL – Permissible Exposure Limit</b> <b>REL – Recommended Exposure Limit</b> <b>TLV – Threshold Limit Value</b> <b>ACGIH – American Conference of Governmental Industrial Hygienists</b> <b>TWA – Time Weighted Average</b> based on 8 hour exposure days and a 40 hour week.		
<b>Protective Clothing / Equipment:</b> 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).	<b>Safety Stations:</b> Make emergency eyewash stations, showers, and washing facilities available in the work area.	<b>Contaminated Equipment:</b> Remove this material from personal protective equipment as needed. <b>Comments:</b> 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**

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

**Section 10 - Stability & Reactivity**

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

**Section 11 - Toxicological Information**

<b>Eye Effects (rabbit):</b>	Causes serious eye damage	<b>Acute Inhalation Effects (rat):</b>	4 h - >5.5 mg/l
<b>Dermal (rats):</b>	>2,000 mg/kg	<b>Acute Oral Effects (rat):</b>	LD50 = 1,540 kg/kg
<b>Carcinogenicity:</b>	IARC, NTP, and OSHA do not list Sodium Metabisulfite as a carcinogen.		
<b>Chronic Effects:</b>	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 SO <sub>2</sub> is 100 ppm.		
<b>Skin</b>	Contact with skin may result in irritation. Sulfite sensitive individuals may show signs of allergic contact dermatitis from requested or prolonged skin exposure.		
<b>Inhalation:</b>	Inhalation dust may result in respiratory tract irritation. May cause asthma-like symptoms in sensitive individuals.		
<b>Ingestion</b>	Swallowing can cause result in nausea, vomiting, diarrhea, and abdominal pain. May also cause allergic reactions in sulfite sensitive individuals.		

**Section 12 - Ecological Information**

<b>Ecotoxicity:</b>	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.
<b>96-hour LC50 (fish)</b>	316 mg/l
<b>72-hour LC50 (Algae)</b>	43.8 mg/l
<b>48- hour EC50</b>	89 mg/l
<b>Environmental Transport:</b>	Soluble in water.
<b>Environmental Degradation:</b>	Rapid biological decomposition.
<b>Soil Absorption/Mobility:</b>	Slight.

**Section 13 - Disposal Considerations**

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

<b>Section 15 - Regulatory Information</b>			
<b>EPA Regulations:</b>			
<i>RCRA Hazardous Waste Classification (40 CFR 261):</i>	Not listed	<i>FIFRA:</i>	Not regulated.
<i>CERCLA Hazardous Substance (40 CFR 302.4):</i>	Listed	<i>SARA Title III:</i>	Not listed
<i>CERCLA Reportable Quantity (RQ):</i>	N/A	<i>TSCA:</i>	Inventory listed chemical; PAIR Reportable; Not listed in Toxic Substances Chemical Index
<b>OSHA Regulations:</b>			
OSHA Specifically Regulated Substance: Not listed.	Air Contaminant (29 CFR 1910.1000): Not listed.		
<b>Other Regulations:</b>			
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			

<b>Section 16 - Other Information</b>	
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.	
<b>Previous SDS issue date:</b>	September, 2016
<b>Current SDS issue date:</b>	June 2021
<b>Reason for current revision</b>	GHS Label Revision

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