



MATERIAL SAFETY DATA SHEET

Sodium bisulphite

SECTION 1: Identification of the substance/mixture and of the company/undertaking			
1.1	Product identifiers		
	Product name	:	Sodium bisulphite
	Brand	:	LABORT
	CAS-No.	:	7631-90-5
1.2	Relevant identified uses of the substance or mixture and uses advised against		
	Identified uses	:	Laboratory chemicals, Manufacture of substances
1.3	Details of the supplier of the safety data sheet		
	LABORT FINE CHEM PVT LTD. 703-704 ICON BUSINESS CENTRE, OPP. CENTRAL MALL, NR. VALENTINE CINEMA, DUMAS ROAD, SURAT - 395007, (GUJARAT), INDIA. PH: 0091-261-2725761; 2725388 FAX: 0091-261-2725388 E MAIL: info@laboratorychemical.net WEBSITE: www.laboratorychemical.net		
1.4	Emergency telephone number		
	Emergency Phone #	:	091-261-2725388
SECTION 2: Hazards identification			
2.1	Classification of the substance or mixture		
	Classification according to Regulation (EC) No 1272/2008 Acute toxicity, Oral (Category 4), H302		
2.2	Label elements		
	Labelling according Regulation (EC) No 1272/2008		
	Pictogram	:	
	Signal word	:	Warning
	Hazard statement(s)		
	H302 Harmful if swallowed.		
	Precautionary statement(s)		
	P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.		

	Supplemental Hazard statements		
	EUH031 Contact with acids liberates toxic gas.		
2.3	Other hazards		
	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.		
SECTION 3: Composition/information on ingredients			
3.2	Mixtures		
	Synonyms	:	Sodium hydrogen sulphite
	Formula	:	NaHSO3
	Molecular weight	:	104,06 g/mol
	Component	Classification	Concentration
	sodium hydrogensulphite CAS-No. EC-No. Index-No. 7631-90-5 231-548-0 016-064-00-8	Acute Tox. 4; H302	<= 100 %
SECTION 4: First aid measures			
4.1	Description of first aid measures		
	General advice Consult a physician. Show this material safety data sheet to the doctor in attendance. If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of skin contact Wash off with soap and plenty of water. Consult a physician. In case of eye contact Flush eyes with water as a precaution. If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.		
4.2	Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11		
4.3	Indication of any immediate medical attention and special treatment needed No data available		
SECTION 5: Firefighting measures			
5.1	Extinguishing media Suitable extinguishing media Dry powder Dry sand		
5.2	Special hazards arising from the substance or mixture Sulfur oxides, Sodium oxides Not combustible.		
5.3	Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.		

5.4	Further information No data available
SECTION 6: Accidental release measures	
6.1	Personal precautions, protective equipment and emergency procedures Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.
6.2	Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
6.3	Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.
6.4	Reference to other sections For disposal see section 13.
SECTION 7: Handling and storage	
7.1	Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
7.2	Conditions for safe storage, including any incompatibilities Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Never allow product to get in contact with water during storage. Do not store near acids. Air and moisture sensitive. Recommended storage temperature: Below 30°C
7.3	Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
SECTION 8: Exposure controls/personal protection	
8.1	Control parameters
	Ingredients with workplace control parameters
8.2	Exposure control
	<p>Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.</p> <p>Personal protective equipment</p> <p>Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).</p> <p>Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p>The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.</p> <p>Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min</p>

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0,11 mm
Break through time: 480 min

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

9.1	Information on basic physical and chemical properties	
	Appearance Form	Form: solid
	Odour	No data available
	Odour Threshold	No data available
	pH	4,3 at 10 g/l
	Melting point/freezing point	Melting point/range: 300 °C
	Initial boiling point and boiling range	No data available
	Flash point	Not applicable
	Evaporation rate	No data available
	Flammability (solid, gas)	The product is not flammable.
	Upper/lower flammability or explosive limits	No data available
	Vapour pressure	No data available
	Vapour density	No data available
	Relative density	1,348 g/cm ³ at 20 °C
	Water solubility	ca.42 g/l at 20 °C - completely soluble
	Partition coefficient: octanol/water	Not applicable for inorganic substances
	Auto-ignition temperature	No data available
	Decomposition temperature	No data available
	Viscosity	No data available
	Explosive properties	No data available
	Oxidizing properties	No data available

9.2	Other safety information	No data available
SECTION 10: Stability and reactivity		
10.1	Reactivity Contact with acids liberates toxic gas.	
10.2	Chemical stability Stable under recommended storage conditions.	
10.3	Possibility of hazardous reactions No data available	
10.4	Conditions to avoid No data available	
10.5	Incompatible materials Strong oxidizing agents, Strong acids	
10.6	Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - Sulfur oxides, Sodium oxides Other decomposition products - No data available In the event of fire: see section 5	
SECTION 11: Toxicological information		
11.1	Information on toxicological effects	
	Acute toxicity No data available	
	LD50 Oral - Rat - male and female - 1.540 mg/kg (OECD Test Guideline 401) LC50 Inhalation - Rat - male and female - 4 h - > 5,5 mg/l (OECD Test Guideline 403) LD50 Dermal - Rat - male and female - > 2.000 mg/kg (OECD Test Guideline 402)	
	Skin corrosion/irritation No data available	
	Skin - Rabbit Result: No skin irritation (OECD Test Guideline 404)	
	Serious eye damage/eye irritation No data available Eyes - Rabbit Result: No eye irritation (OECD Test Guideline 405)	
	Respiratory or skin sensitization No data available Local lymph node assay (LLNA) - Mouse Result: negative (OECD Test Guideline 429)	
	Germ cell mutagenicity No data available Rat - male Result: negative (ECHA)	
	Carcinogenicity IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.	

Reproductive toxicity No data available No data available		
Specific target organ toxicity - single exposure No data available		
Specific target organ toxicity - repeated exposure No data available		
Aspiration hazard No data available		
Additional Information Repeated dose toxicity - Rat - male and female - Oral (ECHA) RTECS: Not available burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, chest pain To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.		
SECTION 12: Ecological information		
12.1	Toxicity	
	Toxicity to fish	static test LC50 - Leuciscus idus (Golden orfe) - > 215 - < 464 mg/l - 96 h Remarks: (ECHA)
	Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - 89 mg/l - 48 h Remarks: (ECHA)
	Toxicity to algae	static test ErC50 - Desmodesmus subspicatus (green algae) - 43,8 mg/l - 72 h (OECD Test Guideline 201)
	Toxicity to bacteria	static test EC50 - activated sludge - > 1.000 mg/l - 3 h (OECD Test Guideline 209)
12.2	Persistence and degradability No data available.	
12.3	Bioaccumulative potential No data available.	
12.4	Mobility in soil No data available	
12.5	Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.	
12.6	Other adverse effects Harmful to aquatic life. No data available	
SECTION 13: Disposal considerations		
13.1	Waste treatment methods	
	Product Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.	

	Contaminated packaging Dispose of as unused product.		
SECTION 14: Transport information			
14.1	UN number		
	ADR/RID: -	IMDG: -	IATA: -
14.2	UN proper shipping name		
	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods		
14.3	Transport hazard class(es)		
	ADR/RID: -	IMDG: -	IATA: -
14.4	Packaging group		
	ADR/RID: -	IMDG: -	IATA: -
14.5	Environmental hazards		
	ADR/RID: no	IMDG Marine pollutant: no	IATA: no
14.6	Special precautions for user No data available		
SECTION 15: Regulatory information			
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture This material safety data sheet complies with the requirements of Regulation (EC) No.1907/2006.		
15.2	Chemical Safety Assessment For this product a chemical safety assessment was not carried out		
SECTION 16: Other information			
	Further information LABORT FINE CHEM PVT LTD. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. LABORT FINE CHEM PVT LTD. Makes no representations or warranties, either express or implied, including without limitation any warranties or merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, LABORT FINE CHEM PVT LTD. will not be responsible for damages resulting from use of or reliance upon this information. Revised on: 29/07/20 Revision: 01		