

Material Safety Data Sheet

Sodium Bisulphite

Section 1: Chemical Product and Company Identification

Product Name : Sodium Bisulphite
Chemical Formula : HNaO_3S
Company Identification : Tradeasia International Pte Ltd
Email : contact@chemtradeasia.com

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Sodium Bisulphite	7631-90-5	100

Section 3: Hazards Identification

Harmful if swallowed. Irritating to eyes, respiratory system and skin.

Section 4: First Aid Measures

After inhalation : Fresh air.
After skin contact : Wash off with plenty of water. Remove contaminated clothing.
After eye contact : Rinse out with plenty of water for at least 10 minutes with the eyelid held open.
Summon eye specialist
After swallowing : Make the victim drink plenty of water, induce vomiting, summon doctor.

Section 5: Fire Fighting Measures

Suitable extinguishing media: Water, CO_2 , Foam
Special risks: The following may develop in event of fire: sulfur oxides
Other information: Non-combustible.

Section 6: Accidental Release Measures

Procedures for cleaning / Absorption: Take up with liquid-absorbent material (e.g. Chemisorbs).
Forward for disposal. Clean up affected area.

Section 7: Handling and Storage

Handling:

No further requirements.

Storage:

Tightly closed. In a well-ventilated place. Cool.

Section 8: Exposure Controls/Personal Protection

Personal Protective Equipment:

Respiratory protection: Required when vapors / aerosols are generated. Filter E (acc. To DIN – 3181) for SO₂, HCl, Filter B (acc. To DIN 3181) for inorganic gases and vapor.

Eye protection: Required

Hand protection: Required

Industrial hygiene: Change contaminated clothing. Application of skin – protective barrier cream recommended. Wash hands after working with substance. Work under hood. Do not inhale substance.

Section 9: Physical and Chemical Properties

Form	: Liquid
Color	: Colorless
Odor	: Characteristic
pH value at 22 g/l water	: (20°C) 4.0 – 5.0
Viscosity	: dynamic (20°C) 4 mPa*s
Melting temperature	: -44°C
Boiling temperature	: 146°C
Ignition temperature	: Not available
Flash Point	: Not available
Explosion limits	: Not available
Vapor pressure	: (20°C) 40 h Pa
Density	: (20°C) 1.35 g/cm ³

Solubility in water : water (20°C) soluble

Thermal decomposition : > 146°C

Section 10: Stability and Reactivity Data

Conditions to be avoided : No information available

Substances to be avoided : Oxidizing Agent, Acids

Hazardous decomposition products : No information available

Section 11: Toxicological Information

Acute toxicity

LD50 (oral, rat): 2000 mg / kg

Further toxicological information

After inhalation : Irritations of the mucous membranes, coughing and dyspnoea. Inhalation may lead to the formation of oedemas in the respiratory tract. After skin contact : Severe irritations

After eye contact: : Severe irritations

Further hazardous properties cannot be excluded

Further data:

The product should be handled with the ecuasural when dealing with chemicals.

Section 12: Ecological Information

Do not allow to enter waters, waste water, or soil!

Section 13: Disposal Considerations

Product:

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies, who will advise you on how to dispose of special waste.

Packaging:

Disposal in compliance with official regulations. Handle contaminated packaging in the seaways as the substance itself. If not officially specified differently, non-contaminated packaging maybe treated

like household waste or recycled.

Section 14: Transport Information

Transport over land ADR / RID and GGVS / GGVE (Germany):

GGVS / GGVE class : 8 Number and letter : 17°C

ADR / RID class : 8 Number and letter : 17°C

Name of material : 2693 Hydrogensulfite, Waessrige, Loesung, N.A.G. (Natriumhydrogensulfite 37% IGE Loesung in Wasser)

River transport AND / ADNR: Not examined.

Sea transport IMDG:

IMDG class: 8 UN – No.: 2693 Packaging group: III

Ems: 8 – 08 MFAG: 635

Correct technical name : Bisulphites, Aqueous solution, N.O.S. (Sodium Bisulphite solution)

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA class: 8 UN/ID- No.: 2693 Packaging group: III

Correct technical name: Bisulphites, Aqueous Solution, N.O.S. (Sodium Bisulphite Solution)

The transport regulations are cited according to international regulations and in the form applicable in Germany (GGVS/GGVE). Possible national deviations in other countries are not considered.

Section 15: Other Regulatory Information

Labeling according to EC Directives

Symbol : Xn Harmful immediately and show this container or label.

R-phrases : R 22-36/37/38 Harmful if swallowed. Irritating to eyes, respiratory system and skin.

S-phrases : -

German Regulations:

Water pollution Class: 1 (Slightly polluting substance)

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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