

BIRLASOL 35

Safety data sheet

According to EC Directive 91/155/EEC

1. Identification Of The Substance / Preparation And Of The Company / Undertaking

Identification of the product

Product name: SodiumHydrogen Sulfite (solution 35% in water) for synthesis

Manufacturer / Supplier Identification:

Company : Thai Sulphites & Chemicals Co., Ltd.
Mahatun Plaza, 16th Floor, 888/162-163
Ploenchit Road, Bangkok 10330
Tel: (662) 253-6745-54, 251-1658, 252-9471

2. Composition / Information on Ingredients

Synonyms: SodiumBisulfite; SodiumBisulfite solution; Bisulfite

CAS-No.	:	7631-90-5	EC-Index No. :	-
Molar mass	:	104.06	EINECS No. :	231-548-0
Molecular Formula	:	HNaO ₃ S		

3. Hazards Identification

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

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.

5. Fire-Fighting Measures

Suitable extinguishing media:
Water, CO₂, Foam

Special risks:
The following may develop in event of fire: sulfur oxides

Other information:
Non-combustible.

6. Accidental Release Measures

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

7. Handling And Storage

Handling:
No further requirements.

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

8. Exposure Controls / Personal Protection

Personal Protective Equipment:

Respiratory protection	Required when vapors / aerosols are generated. Filter E (acc. To DIN – 3181) for SO ₂ , HCl, Filter B (acc. To DIN 3181) for inorganic gases and vapors
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.

9. Physical And Chemical Properties

Form	: L	liquid
Colour	: C	colorless
Odour	: 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 lower	: Not available	
Explosion limits upper	: 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

10. Stability and Reactivity

Conditions to be avoided
No information available

Substances to be avoided
Oxidizing Agent, Acids

Hazardous decomposition products
No information available

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 can lead to the formation of oedema 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 usual when dealing with clients.

12. Ecological Information

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

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 same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

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.

15. Regulatory Information

Labeling according to EC Directives

Symbol : Xn Harmful immediately and show this container
O r 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)

16. Other Information

Reason for alteration

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.
