



SAFETY DATA SHEET

Sodium Bisulphite 36 - 40 % solution

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name	Sodium Bisulphite 36 - 40 % solution
Synonyms, trade names	Natriumbisulfitt 36 - 40 % løsnng
Supplier	Acinor AS Titangt. 13 1630 Gamle Fredrikstad Norway Tel: +47 69 38 40 82 Fax: +47 69 38 40 84 E-mail: rolf.egil@acinor.no www.acinor.no
Contact person	Rolf Egil de Flon (E-mail: rolf.egil@acinor.no)
Emergency telephone number	National Poisons Information Service (NPIS), phone 0844 892 0111. WEB: http://www.toxbase.org
Gross formula	NaHSO ₃
CAS No.	7631-90-5
Reg.No. REACH	01-2119524563-42

2. HAZARDS IDENTIFICATION

Symbol(s)



Contains	sodium hydrogensulphite . . . %
Risk phrases	R-22 Harmful if swallowed. R-31 Contact with acids liberates toxic gas.
Safety phrases	S-2 Keep out of reach of children. S-25 Avoid contact with eyes. S-46 If swallowed seek medical advice immediately and show this container or label.

CLP

Hazard pictograms



Hazard statements	Acute Tox. 4: H302 Harmful if swallowed. EUH031 Contact with acids liberates toxic gas.
Precautionary statements	P102 Keep out of reach of children. P262 Do not get in eyes, on skin, or on clothing. P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	EC No.	CAS No.	Content	Symbol	Classification
sodium hydrogensulphite . . . %	231-548-0	7631-90-5	36-40 %	Xn	R-22, R-31

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Name	CAS No.	REACH No.	Content	Symbol	Classification
sodium hydrogensulphite . . . %	7631-90-5		36-40 %	GHS07	Acute Tox. 4: H302, EUH031

Section 16 contains detailed classification phrases.

4. FIRST AID MEASURES

Inhalation	Provide rest, warmth and fresh air.
Ingestion	Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Contact physician.
Skin	Remove contaminated clothing. Wash skin with soap and water.
Eyes	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

5. FIRE-FIGHTING MEASURES

Extinguishing media	Water spray, fog or mist. Foam. Powder. Carbon dioxide (CO ₂). Do not use direct water flow, risk for spreading the fire.
Special fire fighting procedures	Containers close to fire should be removed or cooled with water.
Specific hazards	Non-flammable.
Hazardous combustion products	Sulphurous gases (SO _x).
Protective measures in fire	Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal protection	Wear appropriate personal protective equipment - see Section 8. Avoid inhalation of vapours and spray mist and contact with skin and eyes.
Environmental protection	Avoid discharge into drains, water courses or onto the ground.
Spill cleanup methods	Limit spread of spilled material. Absorb with sand, earth or an inert material. Collect and reclaim or dispose in sealed containers in licensed waste. See section 13.

7. HANDLING AND STORAGE

Usage precautions	Wear appropriate personal protective equipment - see Section 8. Avoid spilling, skin and eye contact. Provide good ventilation. Avoid inhalation of vapours/aerosoles.
Storage precautions	Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

Store separated from: Acids. Oxidising material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name	CAS no.	Reference	LT Exp 8 Hrs	ST Exp 15 Min	Date
sodium hydrogensulphite . . . %	7631-90-5	WEL.	5 mg/m3		

Ingredient comments

WEL = Workplace exposure limits. SK= Skin absorbance, Rep= Reproduction, Carc= Carcinogenic Senz= Sensitisers, Mut= Carcinogenic

Protective equipment



Process conditions

Provide eyewash station. Emergency showers should be available in the workplace.

Ventilation

Well ventilated area.

Respirators

If ventilation is insufficient, suitable respiratory protection must be provided. Use respiratory equipment with particle filter, type P2.

Protective gloves

Use protective gloves made of: Butyl rubber. Time of breakthrough is not known, change gloves regularly.

Eye protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygienic work practices

Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. Wash contaminated clothing before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fluid.		
Colour	Colourless. / Light yellow.		
Odour	Sulphur.		
Solubility description	Soluble in water.		
Boiling point (°C, interval)	98	Pressure	1013 hPa
Melting/freezing point (°C, interval)	< 2		
Density (g/cm3)	1,32 - 1,37	Temperature (°C)	
Vapour pressure	27 mbar	Temperature (°C)	20
pH-value, conc. solution	3,7 - 4,5		
Viscosity (interval)	ca. 4 mPas	Temperature (°C)	20

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions and recommended use.
Conditions to avoid	Heat.
Materials to avoid	Oxidising substance. Acids.
Hazardous decomp. products	Sulphurous gases (SOx). Contact with acids liberates toxic gas.

11. TOXICOLOGICAL INFORMATION

Sensitization	No allergic reaction is known.
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Genotoxicity	No known heritable or mutagenic effects.
Carcinogenicity	No cancer hazard.
Reproduction toxicity	No known reproductive effects.
Inhalation	May cause irritation to the respiratory system.
Ingestion	Harmful if swallowed.
Skin	May cause irritation.
Eyes	May cause irritation to eyes.
Route of entry	Inhalation. Ingestion. Skin and/or eye contact.
COMPONENT:	sodium hydrogensulphite . . . %
Toxic dose - LD50:	1420 mg/kg (oral rat)

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not regarded as dangerous to the environment. This does not, however, rule out the possibility that large or frequent smaller emissions of the product may be harmful to the environment.
Mobility	The product is soluble in water.
Bioaccumulative potential	Unknown.
Persistence and degradability	Unknown.
Other adverse effects	Results of PBT and vPvB assessment: No data available.
COMPONENT:	sodium hydrogensulphite . . . %
LC 50, 96 Hrs, Fish mg/l:	240 (Gambusia affinis)
EC 50, 48 Hrs, Daphnia, mg/l:	119 (Daphnia magna)

13. DISPOSAL CONSIDERATIONS

General/cleaning	Product is not hazardous waste.
Disposal methods	Confirm disposal procedures with environmental engineer and local regulations.
Waste class	06 06 99 wastes not otherwise specified The given EWC-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code.
Contaminated packaging	The product packaging must be disposed of in compliance with the country specific regulations.

14. TRANSPORT INFORMATION

General	No dangerous goods (ADR/RID, IMDG, IATA/ICAO)
ROAD TRANSPORT (ADR):	
RAIL TRANSPORT (RID):	
SEA TRANSPORT (IMDG):	

15. REGULATORY INFORMATION

16. OTHER INFORMATION

Explanations to R-phrases in section 3	R-22 Harmful if swallowed. R-31 Contact with acids liberates toxic gas.
Explanations to classification in section 3	EUH031 Contact with acids liberates toxic gas. H302 Harmful if swallowed.
* Information revised since the previous version of the SDS	
Revision comments	Revision 2011.01.06 no. 1: supersede SDS of 2010.07.12. Prepared in CLP-format and in compliance with CLP00. No change of composition or product classification.

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Signature BHH