



SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878

Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

AMBIO Natriumbisulfitt 20%

Article No.

100406

UFI code

3A2Y-E8A0-4001-7F98

Synonyms

Ambio sodium bisulphite

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Dechlorination of seawater and freshwater in drinking water systems.

The product is intended for professional use.

1.3. Details of the supplier of the safety data sheet

Supplier

AMBIO AS

Address

Fabrikkveien 10

4033 Stavanger

Norway

Telephone

+47 51 44 64 00

Email

water@ambio.no

Web site

<https://www.ambio.no>

1.4. Emergency telephone number

In urgent situations: Call 113 and request the poison information centre / Poison Center +47 22 59 13 00

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878

Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

Available outside office hours

Yes

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Serious eye damage, hazard category 1

Hazard statements

H318

Description

The full text for all hazard statements is displayed in section 16.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H318 Causes serious eye damage.

Supplemental hazard statements

EUH031 Contact with acids liberates toxic gas.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878



Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

More information

Hazardous substances: Sodium metabisulphite

UFI: 3A2Y-E8A0-4001-7F98

2.3. Other hazards

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Specific concentration limits ATE	Note
Sodium metabisulphite	7681-57-4 231-673-0 01-2119531326-45 016-063-00-2	10%	Acute Tox. 4 - oral, Eye Dam. 1	H302, H318, EUH031 - -	ATE [Oral]: 500 mg/kg bw	-

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.



SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878

Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Information for doctors

Bring this safety data sheet or the label from this product.

4.2. Most important symptoms and effects, both acute and delayed

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned: Get immediate medical advice/attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media

Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.



SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878

Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spills.

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill.

6.3. Methods and material for containment and cleaning up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection

SECTION 13: Disposal considerations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

For personal protection, see section 8.

Contact with acids liberates toxic gas.

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878

AMBIO Natriumbisulfitt 20%



Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

7.2. Conditions for safe storage, including any incompatibilities

Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Always store in containers of the same material as the original container.

Storage conditions :

10 - 35 °C

Protect from frost.

Keep container tightly closed.

Store in a dry place.

Incompatible materials :

Nitrite

Sodium sulphide

Acids

Strong oxidising agents

Nitrates

7.3. Specific end use(s)

This product should only be used for the uses described in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents (Regulations concerning Action and Limit values) FOR-2011-12-06-1358. Last update: FOR-2026-04-10-580.

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Source	Remark	Year
Sodium metabisulphite (EU)	7681-57-4 231-673-0	- / 5	FOR-2011-12-06-1358, last update: FOR-2026-04-10-580		-

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878



Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

8.2. Exposure controls

Appropriate engineering controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis. Professional users are subjected to the legally set maximum concentrations for occupational exposure. The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Ensure that eyewash stations and safety showers are located within easy reach. Apply standard precautions during use of the product. Avoid inhalation of vapours.

Smoking, drinking and consumption of food is not allowed in the work area.

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Use only CE marked protective equipment.

Personal Protective Equipment Symbols



Eye / face protection

Safety glasses with side-shields conforming to EN166 / EN ISO 16321

Hand protection

In the event of prolonged exposure or high concentrations.

Glove thickness : 0,2-0,4 mm

Material : Neoprene / nitrile rubber

Breakthrough time: : >480 min

Standards : EN374-2, EN374-3, EN388

Other skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.

Respiratory protection

Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. Self-contained breathing apparatus in medium confinement/insufficient oxygen/in case of large uncontrolled emissions/in all circumstances when the mask and cartridge do not give adequate protection.

Combination filter: A2B2E2K2 Class 2 EN14387

Colour: Brown/Gray/Yellow/Green

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878



Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Clear

Odour

characteristic

Melting point / freezing point

~ 20 °C

Boiling point or initial boiling point and boiling range

No relevant or available data due to the nature of the product.

Flammability

No relevant or available data due to the nature of the product.

Lower and upper explosion limit

No relevant or available data due to the nature of the product.

Flash point

No relevant or available data due to the nature of the product.

Auto-ignition temperature

No relevant or available data due to the nature of the product.

Decomposition temperature

No relevant or available data due to the nature of the product.

pH

3,5-5%

Kinematic viscosity

No relevant or available data due to the nature of the product.

Solubility

No relevant or available data due to the nature of the product.

Water solubility

No relevant or available data due to the nature of the product.

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878



Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

Partition coefficient n-octanol/water

No relevant or available data due to the nature of the product.

Vapour pressure

No relevant or available data due to the nature of the product.

Density and/or relative density

1.074 g/cm³

Relative vapour density

No relevant or available data due to the nature of the product.

Oxidising properties

No relevant or available data due to the nature of the product.

Particle characteristics

No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Contact with acids liberates toxic gas.

10.2. Chemical stability

The product is stable under the conditions specified in section 7.

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Nitrates

Nitrite

Sodium sulphide

Acids

strong oxidizing agents

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878

AMBIO Natriumbisulfitt 20%

Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24



10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Sulphur dioxide is formed by thermal decomposition of evaporated solution above 120°C.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

Product / Substance name CAS / EC no.	Value / Dose	Test animals
Sodium metabisulphite 7681-57-4 / 231-673-0	1131 mg/kg	Rat
Sodium metabisulphite 7681-57-4 / 231-673-0	> 2000 mg/kg	Rat

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878



Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

Aspiration hazard

Based on available data, the classification criteria are not met.

Toxicity in case of eye contact

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

11.2. Information on other hazards

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
Sodium metabisulphite 7681-57-4 / 231-673-0	LC50	150 mg/L	96 h	Oncorhynchus mykiss (Rainbow trout)

12.2. Persistence and degradability

Sodium metabisulphite - The substance is inorganic. Biodegradation studies are not applicable.

12.3. Bioaccumulative potential

Sodium metabisulphite - Bioaccumulation is not expected.

12.4. Mobility in soil

Mobility

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878



AMBIO Natriumbisulfitt 20%

Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Product is covered by the regulations on hazardous waste.

HP 4 - Irritant (skin irritation and eye damage)

HP 12 – Release of an acute toxic gas

Dispose of contents/container to an approved waste disposal plant.

Avoid discharge to lakes, streams, sewers, etc.

Packaging

Packaging containing residues of the product must be disposed of similarly to the product.

Waste code	Waste description
16 05 07*	discarded inorganic chemicals consisting of or containing hazardous substances

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

SECTION 14: Transport information

14.1. UN number

Not dangerous goods according to ADR, IATA and IMDG.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878



Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

14.6. Special precautions for user

Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

Other

Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

National regulations

Act of 17 June 2005 No. 62 relating to the working environment, working hours and employment protection, etc. (the Working Environment Act, Chapter 11: Work by children and young people).

Regulation of 1 June 2004 No. 930 on recycling and treatment of waste (the Waste Regulations).

Regulation of 19 May 2015 No. 541 on the declaration of chemicals to the Product Register (the Declaration Regulations).

Regulation of 16 June 2012 No. 622 on the classification, labelling and packaging of substances and mixtures (the CLP Regulation).

Regulation of 30 May 2008 No. 516 on the registration, evaluation, authorisation and restriction of chemicals (the REACH Regulation).

Regulations concerning Action and Limit values, last update: FOR-2026-04-10-580.



SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878

Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

Other regulations, limitations and legal regulations

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

Product registration number: 669885

If the product is imported or produced in more than 100 kg/year it is subject to registration in the Product Register because it is classified as hazardous.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Changes to previous revision

SECTION 2: Hazards identification

SECTION 3: Composition/information on ingredients

SECTION 8: Exposure controls/personal protection

SECTION 15: Regulatory information

Abbreviations

ADN: European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE: Acute Toxicity Estimate

BCF: Bioconcentration Factor

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL: Derived No Effect Level

EUH-statement: CLP-specific Hazard statement

EWC: European Waste Catalogue

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

PBT: Persistent, Bioaccumulative and Toxic

PNEC: Predicted No Effect Concentration

SCL: Specific concentration limit

SVHC: Substances of Very High Concern

STOT: Specific Target Organ Toxicity

UN: United Nations

vPvB: Very Persistent and Very Bioaccumulative

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006
(REACH), Annex II, as implemented by Regulation
(EU) no 2020/878



Version number: 2.0
Issued: 2026-09-02
Replaces SDS: 2025-01-24

AMBIO Natriumbisulfitt 20%

Evaluation methods for classification

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

Phrase meaning

Eye Dam. 1 - Serious eye damage, hazard category 1

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4

H302 Harmful if swallowed.

H318 Causes serious eye damage.

EUH031 Contact with acids liberates toxic gas.

Additional information

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products. It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.