

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

1. Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name : SODIUM METABISULPHITE PWD FD/R/BAG 25 KG
Substance name : sodium metabisulphite
Index-No. : 016-063-00-2
CAS-No. : 7681-57-4
EC-No. : 231-673-0

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

Use of the Substance/Mixture : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.

Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : Brenntag Nordic A/S
Borupvang 5 B
DK 2750 Ballerup
Telephone : +45 43 29 28 00
Telefax : +45 43 29 27 00
E-mail address : SDS.DK@brenntag-nordic.com
Responsible/issuing person : Environment & Quality

1.4. Emergency telephone number

Emergency telephone number : In case of personal injury call:
Denmark: 82 12 12 12 Giftlinien, Bispebjerg Hospital
Finland: Poison Information Centre: (09) 471 977 (direct) or (09) 47 11 (exchange), open 24h/day
Norway: 22 59 13 00 Giftinformasjonen (døgnåpent)
Sweden: +46-8-331231 Giftinformationscentralen (24 hour service)
Outside these countries: Please call your local emergency services

2. Hazards identification**2.1. Classification of the substance or mixture**

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

Classification according to Regulation (EC) No 1272/2008

REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Acute toxicity (Oral)	Category 4	---	H302
Serious eye damage/eye irritation	Category 1	---	H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Directive 67/548/EEC or 1999/45/EC	
Hazard symbol / Category of danger	Risk phrases
Harmful (Xn)	R22
	R41
	R31

For the full text of the R-phrases mentioned in this Section, see Section 16.

Most important adverse effects

- Human Health : See section 11 for toxicological information.
- Physical and chemical hazards : See section 9 for physicochemical information.
- Potential environmental effects : See section 12 for environmental information.

2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008**

Hazard symbols :



Signal word : Danger

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

Hazard statements	:	H302 H318	Harmful if swallowed. Causes serious eye damage.
Precautionary statements			
Prevention	:	P264 P280	Wash skin thoroughly after handling. Wear eye protection/ face protection.
Response	:	P301 + P312 P330 P305 + P351 + P338 P310	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
Disposal	:	P501	Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling:

EUH031 Contact with acids liberates toxic gas.

Hazardous components which must be listed on the label:

- sodium metabisulphite

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

3. Composition/information on ingredients

3.1. Substances

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		Classification (67/548/EEC)
		Hazard class / Hazard category	Hazard statements	

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

sodium metabisulphite

Index-No. : 016-063-00-2

CAS-No. : 7681-57-4

EC-No. : 231-673-0

<= 100

Acute Tox.4

Eye Dam.1

H302

H318

Xn; R22

Xi; R41

R31

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures**4.1. Description of first aid measures**

- General advice : Take off contaminated clothing and shoes immediately. Consult a physician.
- If inhaled : Remove to fresh air. Obtain medical attention. If unconscious place in recovery position and seek medical advice.
- In case of skin contact : Wash off immediately with soap and plenty of water.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Consult a physician.
- If swallowed : Clean mouth with water and drink afterwards plenty of water. Call a physician immediately.

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

- Symptoms : See Section 11 for more detailed information on health effects and symptoms.
- Effects : See Section 11 for more detailed information on health effects and symptoms.

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

- Treatment : No information available.

5. Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing : Use extinguishing measures that are appropriate to local

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

media circumstances and the surrounding environment.
Unsuitable extinguishing media : No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : The product itself does not burn. In case of fire hazardous decomposition products may be produced such as: Sulphur oxides

5.3. Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)
Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment. Keep people away from and upwind of spill/leak. Avoid dust formation. Provide adequate ventilation. Avoid contact with skin and eyes. For personal protection see section 8.

6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Use mechanical handling equipment. This material and its container must be disposed of as hazardous waste.

Further information : Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.

7. Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the skin and the eyes. Keep container tightly closed. Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures : Do not breathe dust or spray mist. Avoid contact with the skin and the eyes. Take off all contaminated clothing immediately. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep tightly closed in a dry and cool place.

Advice on protection against fire and explosion : No special precautions required.

Advice on common storage : Incompatible with oxidizing agents. Do not store near acids.

7.3. Specific end uses

Specific use(s) : No information available.

8. Exposure controls/personal protection**8.1. Control parameters****Derived No Effect Level (DNEL)**

Workers, Inhalation : 225 mg/m³

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

Long-term exposition

Predicted No Effect Concentration (PNEC)

Fresh water : 1 mg/l

Marine water : 0,1 mg/l

Component: sodium metabisulphite**CAS-No.****7681-57-4****Other Occupational Exposure Limit Values**GV (DK), Threshold Limit Values (TLV):
5 mg/m³**8.2. Exposure controls****Personal protective equipment***Respiratory protection*Advice : Required if dust is released
Respirator with a dust filter
Particle filter:P2*Hand protection*Advice : Wear suitable gloves.
The following information applies to aqueous, saturated solutions.
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Protective gloves should be replaced at first signs of wear.Material : polychloroprene
Break through time : >= 8 h
Glove thickness : 0,5 mmMaterial : Nitrile rubber
Break through time : >= 8 h
Glove thickness : 0,35 mm

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

Material : butyl-rubber
Break through time : ≥ 8 h
Glove thickness : 0,5 mm

Eye protection

Advice : Tightly fitting safety goggles

Skin and body protection

Advice : Wear suitable protective clothing.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.
Avoid subsoil penetration.
Local authorities should be advised if significant spillages cannot be contained.

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form : powder
Colour : white
Odour : slight stinging
Odour Threshold : Currently we do not have any information from our supplier about this.
pH : 3,5 - 5 (50 g/l; 20 °C)
Melting point/range : ca. 150 °C
yes
Boiling point : not applicable
Flash point : not applicable

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

Evaporation rate	:	not applicable
Flammability (solid, gas)	:	not applicable
Upper explosion limit	:	not applicable
Lower explosion limit	:	not applicable
Vapour pressure	:	not applicable
Relative vapour density	:	not applicable
Density	:	2,36 g/cm ³ (20 °C)
Water solubility	:	470 g/l (20 °C)
Partition coefficient: n-octanol/water	:	log Kow -3,7 (25 °C) (OECD Test Guideline 107)
Ignition temperature	:	not applicable
Thermal decomposition	:	> 150 °C
Viscosity, kinematic	:	not applicable
Explosivity	:	Product is not explosive.
Oxidizing properties	:	Currently we do not have any information from our supplier about this.

9.2. Other information

Bulk density	:	1.000 - 1.200 kg/m ³
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10. Stability and reactivity**10.1. Reactivity**

Advice	:	Contact with acids liberates toxic gas.
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10.2. Chemical stability

Advice	:	Stable under normal conditions.
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SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

10.3. Possibility of hazardous reactions

Hazardous reactions : Incompatible with oxidizing agents. Contact with acids liberates toxic gas.

10.4. Conditions to avoid

Conditions to avoid : Heat.
Thermal decomposition : > 150 °C

10.5. Incompatible materials

Materials to avoid : Acids, Oxidizing agents

10.6. Hazardous decomposition products

Hazardous decomposition products : Sulphur oxides

11. Toxicological information**11.1. Information on toxicological effects****Acute toxicity****Oral**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Inhalation

Inhalation may cause pain and cough.
Effects of breathing high concentration of respirable particles may include:
Difficulty in breathing

Dermal

Currently we do not have any information from our supplier about this.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

Irritation**Skin**

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Eyes

Causes serious eye damage.
Risk for permanent damage.

Sensitisation

Currently we do not have any information from our supplier about this.

CMR effects**CMR Properties**

- Carcinogenicity : Currently we do not have any information from our supplier about this.
- Mutagenicity : Currently we do not have any information from our supplier about this.
- Teratogenicity : Currently we do not have any information from our supplier about this.
- Reproductive toxicity : Currently we do not have any information from our supplier about this.

Specific Target Organ Toxicity**Single exposure**

Currently we do not have any information from our supplier about this.

Repeated exposure

Currently we do not have any information from our supplier about this.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

Aspiration toxicity

Currently we do not have any information from our supplier about this.

Component: sodium metabisulphite**CAS-No.
7681-57-4****Acute toxicity****Oral**

LD50 : 1130 mg/kg (rat)

Sensitisation

not sensitizing (guinea pig)

12. Ecological information**12.1. Toxicity****Component: sodium metabisulphite****CAS-No.
7681-57-4****Acute toxicity****Fish**

LC50 : 32 mg/l (Lepomis macrochirus; 96 h)

LC50 : 150 - 220 mg/l (Oncorhynchus mykiss; 96 h)

Toxicity to daphnia and other aquatic invertebrates

EC50 : 89 mg/l (Daphnia magna; 48 h) (Directive 67/548/EEC, Annex V, C.2.)

algae

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

EC50 : 48 mg/l (Desmodemus subspicatus; 72 h)

Bacteria

EC10 : 31 mg/l (Pseudomonas putida; 17 h)

12.2. Persistence and degradability**Persistence and degradability****Persistence**

Result : no data available

Component: sodium metabisulphite**CAS-No.****7681-57-4****Persistence and degradability****Biodegradability**

Result : The methods for determining biodegradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential**Component: sodium metabisulphite****CAS-No.****7681-57-4****Bioaccumulation**

Result : Does not bioaccumulate.

12.4. Mobility in soil**Mobility**

Result : The product is mobile in water environment.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment**

Result : no data available

12.6. Other adverse effects**Additional ecological information**

Result : Do not flush into surface water or sanitary sewer system.

Component: sodium metabisulphite**CAS-No.
7681-57-4****Chemical Oxygen Demand (COD)**

Result : ca. 165 mg/g

13. Disposal considerations**13.1. Waste treatment methods**

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains.

Contaminated packaging : Empty remaining contents. Store containers and offer for recycling of material when in accordance with the local regulations. Dispose of as unused product.

European Waste Catalogue Number : Waste codes should be assigned by the user based on the application for which the product was used.

14. Transport information

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

Not dangerous goods for ADR, RID and IMDG.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Notification status****sodium metabisulphite:**

Regulatory List	Notification	Notification number
AICS	YES	
DSL	YES	
INV (CN)	YES	
ENCS (JP)	YES	(1)-502
ISHL (JP)	YES	(1)-502
EINECS	YES	231-673-0

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM METABISULPHITE PWD FD/R/BAG 25 KG

Version 3.0

Print Date 29.08.2012

Revision Date 24.05.2012

KECI (KR)	YES	KE-12701
TSCA	YES	

15.2. Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information**Full text of R-phrases referred to under sections 2 and 3.**

R22	Harmful if swallowed.
R31	Contact with acids liberates toxic gas.
R41	Risk of serious damage to eyes.

Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H318	Causes serious eye damage.

Further information

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

|| Indicates updated section.