

SAFETY DATA SHEET METABISULFITE DE POTASSIUM

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Commercial name and synonym: potassium metabisulphite,

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

Oenological use

1.3. Details of the supplier of the safety data sheet

Company details: Institut Œnologique de Champagne
Z.I. de Mardeuil – Allée de Cumières – BP 25
51201 EPERNAY Cedex
FRANCE
Tel: + 33 (0) 3.26.51.96.00.
Fax: + 33 (0) 3.26.51.02.20.
fds@ioc.eu.com

1.4. Emergency telephone number

112

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Data not available

2.2. Label elements

Pictograms:



Criteria Regulation EC 1272/2008 (CLP):

Signal word: Danger

Danger: Eye Irrit.1, eye damage risk

Danger: STOT SE 3, May cause respiratory tract

Danger indications:

H318: Risk of serious damage to eyes

H335: May cause respiratory irritation

EUH031: Contact with acids liberates toxic gas

Safety Phrases:

P261: Avoid breathing dust, fumes, gases, mists, vapors, aerosols

P271: Use only outdoors or in a well ventilated area

P280: Wear protective gloves, protective clothing, eye protection equipment and face

P304 + P340: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: In case of contact with eyes, rinse cautiously with water for several minutes. Remove contact lenses if the victim can and if they can be easily removed and continue rinsing.

P310: Call a POISON CENTER or doctor

P312: Call a POISON CENTER or physician if you feel unwell

Precautionary Statement (storage):

P403 + P233: Store in a well ventilated area. Keep container tightly closed

P405: Store locked

Precautionary Statement (elimination):

P501: Dispose of contents or container with a collection of special or hazardous waste

Classification of the substance or mixture: In accordance with Regulation (EC) No 1272/2008 (CLP)

Serious eye damage, irritation: Cat 1

Specific target organ toxicity (single exposure) Category 3 (irritating to the respiratory system).

2.3. Other hazards

In accordance with Regulation (EC) No 1272/2008 (CLP)

No specific dangers known, if the requirements for storage and handling are considered. If relevant, information is given in this section on other hazards which do not result in classification but which may contribute to the overall substance of the danger.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

CAS number : 7773-03-7

CE number : 231-870-1

Molecular formula: K⁺ + HSO₃⁻

3.2. Mixtures

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SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation : Remove from exposure, stay outside. If breathing remains difficult, provide oxygen or use artificial respiration.

Skin contact : Take contaminated clothes off. Wash off skin thoroughly for at least 15 minutes.

Eye contact : Irrigate thoroughly with water for at least 15 minutes. OBTAIN MEDICAL ATTENTION

Ingestion : Give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

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

Allergic symptoms

Danger: If swallowed, risk of sulfur dioxide formation by reaction with gastric acid

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

No data available

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Foam

The contaminated extinguishing water must be disposed of in accordance with official regulations. In case of fire or explosion do not breathe fumes

5.2. Special hazards arising from the substance or mixture

Sulphur Dioxide

5.3. Advice for firefighters

Special protective equipment - self- protection device

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Individual precautionary measures: Provide required ventilation. Wear protection clothes. Keep facing wind.

6.2. Environmental precautions

Do not discharge into drains, surface, ground water, soil or subsoil

6.3. Methods and material for containment and cleaning up

Pick up mechanically large quantity.

Product to dispose of according to regulations

6.4. Reference to other sections

See Sections 8 and 13 for disposal of the substance

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid at any time partial heating of the product which would generate a violent exothermic reaction. The product releases slowly sulphur dioxide at ambient temperature. Under cool climates, the product has to be stored over 10°C to prevent any crystallisation.

7.2. Conditions for safe storage, including any incompatibilities

Allow retaining tanks with enough room. Store in a cool, dry, well-ventilated area. Keep away from acids and oxidising agents.

7.3. Specific end use(s)

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Control parameters

Exposure controls: TLV – TWA: not assigned (5 mg/m³ referred to SO₂) (ACGIH 1993-94).

8.2. Exposure controls

Respiratory protection: Safety mask with cartridge against sulphur dioxide.

Eye protection: Safety glasses with side protection. Avoid wearing contact lenses.

Hands protection: Safety gloves.

Skin protection: Working clothes and boots.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance : granulated

Odour : Sulphur Dioxide

Odour threshold : No data available

pH : No data available

Melting / freezing point : No data available

Initial boiling point and boiling range : No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

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Upper/lower flammability or explosive limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density: No data available

Solubility(ies): In soluble : 450 g/L (20°C)

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: 150 ° C

Viscosity: No data available

Explosive properties: No data available

Oxidising properties: No data available

9.2. Other information

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

None

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

Dangerous reactions with acids, oxidizing agents, nitrites and nitrates

10.4. Conditions to avoid

Humidity

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

Sulphur Dioxide

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Ways of penetration:

Inhalation : Yes.

Ingestion : Unprobable event.

Contact : Yes.

Acute toxicity: Datas non available in « Sax's dangerous properties –1993 »

Consequences of inhalation: Irritation of the respiratory tracts.

Local effect on skin: Irritation- Sensitizing at the individuals allergic to the product

Local effect on eyes: Irritation.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

May cause a reduction of the oxygen level and an increase of the level of ammoniac if poured in water, with negative effects on living organisms

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Products or residues: Inorganic product not to evacuate by the systems of biological treatment. Remove according to the local regulations. By the means of authorized companies of removal.

Soiled packing: As well as possible to empty packing by opening them completely. To evacuate according to their constitution.

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SECTION 14. TRANSPORT INFORMATION

14.1. UN number

Product non subjected to standards ADR/RID and IMO, relating to road and maritime transport of dangerous matters, also if it is specifically nominated on the basis of criterion of the paragraphs (3) and (5) from marginal the 2800 ADR/RID and of the paragraph 2.1.4.3. – Classe 8 of IMDG code.

14.2. UN proper shipping name

No data available

14.3. Transport hazard class(es)

No data available

14.4. Packing group

No data available

14.5. Environmental hazards

No data available

14.6. Special precautions for user

No data available

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

No data available

SECTION 15. REGULATORY INFORMATION

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

Labelling according to EC directives

Hazard symbol : Xi : Irritant.

R-phrases:

R31: In contact with an acid releases a toxic gas.

R36/37: Irritating for eyes and respiratory tracts.

S-phrases:

S26: In case of contact with eyes, irrigate thoroughly with water, seek medical advice immediately (show the label where possible).

15.2. Chemical safety assessment

Product not concerned by labelling of hazardous products

SECTION 16. OTHER INFORMATION

Complete review of compliance with Regulation (EU) No 453/2010 of 20 May 2010

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