

SAFETY DATA SHEET BISULFITE D'AMMONIUM

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Commercial name and synonym : Ammonium bisulfite 150 g/L

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

For Oenological fermentation

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

EC regulation criteria 1272/2008 (CLP)

Warning, Eye Irrit. 2, Causes serious eye irritation.

EUH031 Contact with acids liberates toxic gas.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements



Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

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.

P312 Call a doctor if you feel unwell.

Special Provisions:

EUH031 Contact with acids liberates toxic gas.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Components : AMMONIUM BISULPHITE SOLUTION

N° CAS : 10192-30-0

N°CE: 233-469-7

REACH number: 01-2119537321-49-0000

3.2. Mixtures

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

After contact with skin, wash immediately with soap and plenty of water.

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In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.

In case of Ingestion:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-datasheet.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest

After contact with skin, wash immediately with soap and plenty of water.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment: None

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Water, Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons: None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand.

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep this product in a dry place.

Keep away from food, drink and feed.

Incompatible materials:

Keep away from acids.

Keep away from oxidizing agents

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Control parameters

AMMONIUM BISULPHITE - CAS: 10192-30-0

ACGIH - STEL: 0.25 ppm - Notes: (SO₂)

EU - TWA: 0.5 ppm - STEL: 1 ppm - Notes: (SO₂)

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DNEL Exposure Limit Values

AMMONIUM BISULPHITE - CAS: 10192-30-0

Worker Industry: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 0.901 mg/kg - Exposure: Human Oral - Frequency: Long Term, local effects

PNEC Exposure Limit Values

AMMONIUM BISULPHITE - CAS: 10192-30-0

Target: Fresh Water - Value: 1.04 mg/l

Target: Marine water - Value: 0.1 mg/l

Target: Microorganisms in sewage treatments - Value: 78.6 mg/l

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton

Protection for hands:

Use protective gloves that provides comprehensive protection.

Suitable material:

UNI EN 420/UNI EN 374

Respiratory protection:

Gas filtering device (DIN EN 141).

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance : Liquid.

Odour : Pungent

Odour threshold : Not applicable

pH 3.5-4.5 (100%)

Melting / freezing point : Not applicable

Initial boiling point and boiling range : ± 105 °C

Flash point : Not applicable

Evaporation rate: Not applicable

Flammability (solid, gas) : Not applicable

Upper/lower flammability or explosive limits: Not applicable

Vapour pressure : Not applicable

Vapour density: Not applicable

Relative density: 1.30-1.40 Kg/dm³

Solubility(ies): 0-100 %

Partition coefficient: n-octanol/water: Not applicable

Auto-ignition temperature: Not applicable

Decomposition temperature: Not applicable

Viscosity : Not applicable

Explosive properties: Not applicable

Oxidizing properties: Not applicable

9.2. Other information

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

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10.4. Conditions to avoid

Stable under normal conditions

10.5. Incompatible materials

Acids and oxidants

10.6. Hazardous decomposition products

Toxic gases

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

AMMONIUM BISULPHITE SOLUTION - CAS: 10192-30-0

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

Test: Eye Irritant Positive

d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

N.A.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

AMMONIUM BISULPHITE SOLUTION - CAS: 10192-30-0

Not classified for environmental hazards

Based on available data, the classification criteria are not met

12.2. Persistence and degradability

No data available

12.3. Bioaccumulation potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

None

12.6. Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

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14.2. UN proper shipping name

NA

14.3. Transport hazard class(es)

NA

14.4. Packing group

NA

14.5. Environmental hazards

NA

14.6. Special precautions for user

NA

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

NA

SECTION 15. REGULATORY INFORMATION

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) 2015/830

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):

N.A.P

15.2. Chemical safety assessment

No classification according to EU regulation.

SECTION 16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.

EUH031 Contact with acids liberates toxic gas.

Hazard class and

hazard category

Code Description

Eye Irrit. 2 3.3/2 Eye irritation, Category 2

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