

SAFETY DATA SHEET ESSENTIAL ANTIOXIDANT

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product name: Essential Antioxidant

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@iocwine.com

1.4. Emergency telephone number

112

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not substance concerned.

2.2. Label elements

Not applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Substance name: Tannic acid

EC Nr: 215-753-2

CAS Nr: 1401-55-4

3.2. Mixtures

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Remove victim to fresh air. Place the victim in semi-seated position. Allow the victim to rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention if breathing difficulty and/or other complaints appear.

Skin contact: Rinse immediately with plenty of water, for at least 15 minutes. Remove contaminated clothing and shoes. Wash skin thoroughly with mild soap and water. Obtain medical attention if ill effect or irritation develops.

Eye contact: Rinse immediately with plenty of water, for at least 15 minutes. Obtain medical attention if pain, blinking, tears or redness persist.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth. If swallowed, give 1 pint of water if victim completely conscious/alert. Seek medical attention if ill effect develops.

Emergency medical treatment: Treat symptomatically.

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

See section 2

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

No data available

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

All extinguishing media can be used.

5.2. Special hazards arising from the substance or mixture

When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined. Under fire conditions, highly hazardous fumes will be present: CO & CO₂.

5.3. Advice for firefighters

Flammable class: May form flammable dust-air mixture.

Surrounding fires: Use water spray or fog for cooling exposed containers. Apply water spray or fog to cool nearby equipment.

Protection against fire: Use self-contained breathing apparatus (cfr. EN 137) and standard firefighting gear (cfr. EN 469) when in close proximity to fire. Avoid (reject) fire-fighting water to enter environment.

Special procedures: Exercise caution when fighting any chemical fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Evacuate and limit access. No smoking. Equip cleanup crew with proper protection.

Technical measures: Avoid dust production.

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6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Sweep or shovel spills into appropriate container for disposal. Dilute residues and flush.

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

Prevention : Handle the product in closed equipment and if possible under an inert atmosphere. Sufficient local or general ventilation. Earth the equipment and take enough time to remove the electrostatic charges. Do not use compressed air to handle the product.

Handling : Avoid all unnecessary exposure. Do not breathe dust. Ensure prompt removal from eyes, skin and clothing. Handle in accordance with good industrial hygiene and safety procedures. Keep away from food, drink and animal feeding stuffs. Wear suitable protective clothing..

7.2. Conditions for safe storage, including any incompatibilities

Storage : May be stored at ambient temperature. Protect from low temperatures. Protect from high temperature. Store in dry, well-ventilated area. Keep container closed when not in use. Keep away from food, drink and animal feeding stuffs. Eliminate every possible source of ignition.

Storage - away from : Direct sunlight. Heat. Open flame. Sources of ignition. Sparks. Moisture.

Suitable packaging : The product is stored in UN certified packaging: a double PE liner, packed in a fibredrum (1G/X../S).

7.3. Specific end use(s)

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

Industrial hygiene : Either local exhaust or general room ventilation is usually required. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Respiratory protection : Where excessive dust may result, wear approved respirator mask.

Skin protection : Wear a coverall type 5, specific for manipulation of solids (cfr. ISO 13982-1).

Eye protection : Safety glasses.

Hand protection : Wear suitable synthetic gloves (Category 3, Class 3) resistant to chemical penetration (cfr. EN 374).

Ingestion : When using, do not eat, drink or smoke.

Others : Wear suitable safety shoes (cfr. EN 345 S2).

Recommended monitoring : No information available

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance : powder.

Odour : No

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

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) : No data available

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

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

Explosive properties : No data available

Oxidising properties : No data available

9.2. Other information

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SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

No data available

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

None under normal conditions

10.4. Conditions to avoid

Moisture. Heat

10.5. Incompatible materials

Not known.

10.6. Hazardous decomposition products

On exposure to high temperature, may decompose, releasing toxic gases. (CO & CO₂).

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation : Not expected to present a significant acute inhalation hazard under anticipated conditions of normal use.

Dermal : Not irritant.

Ocular : Not irritant.

Ingestion : Not expected to present an acute significant ingestion hazard under anticipated conditions of normal use.

LD50 rat oral [mg/kg] : 2260

LD50 mouse oral [mg/kg] : 5000

Dermal irritation (rabbit) : Not irritant.

Eyes irritation (rabbit) : Not irritant.

Sensitization : No information available

Genotoxicity : Not expected to be genotoxic.

Mutagenicity : Not considered to be mutagenetic.

Carcinogenicity : Not a cancer suspected agent in humans

Reproductive toxicity : No evidence of reproductive properties.

STOT-single exposure : No information available

STOT-repeated exposure : No information available

Chronic toxicity : No adverse health effects were noted.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

No data available

12.2. Persistence and degradability

Impact on biodegradation : Conc. 100 mg / L : 20 % inhibition (NH₃ oxidat. by *nitrosomas* sp.)
Conc. 50 mg / L : 7 % inhibition (NH₃ oxidat. by *nitrosomas* sp.).

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

12.6. Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

No classified.

14.2. UN proper shipping name

No data available

14.3. Transport hazard class(es)

No data available

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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

Not applicable

15.2. Chemical safety assessment

Product not concerned by labelling of hazardous products

SECTION 16. OTHER INFORMATION

Creation - Compliance with Regulation (EU) No 453/2010 of 20 May 2010

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