

Material Safety Data Sheet FLAVOUR SAVE



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This MSDS cancels and replaces any other previous edition.

Safety Data Sheet according to Regulation (EC) nr. 1907/2006 dated 18 December 2006 as carried out by the Law dated 6 April 2007, nr.46

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Commercial name: FLAVOUR SAVE
1.2 Type of product and use: Preservative , antioxidant for enological uses
1.3 Details of the supplier : ENOLOGICA VASON SpA – Via Nassar 37
37029 SAN PIETRO IN CARIANO (VR) ITALIA
Phone n. +39-045-6859017 Fax n. +39-045-7725188

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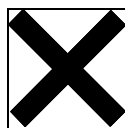
Emergency phone number : +39 045-6859017

2. HAZARDS IDENTIFICATION

2.1 The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

- Properties /Symbols

Xi



Irritant

2.3 Hazard indication for human and environmental:

Human health hazards:

May cause sensitisation by inhalation.

Dust may cause mechanical irritation.

Environmental hazards:

The product spilled in waters can cause a decrease of oxygen with negative outcomes for living organisms

Physical/chemical hazards:

Low risk of flammability

Fire and explosion :

In case of fire nearby, it can develop sulfur dioxide (SO₂) toxic gas

3. COMPOSITION – INFORMATION ON INGREDIENTS

3.1 Substances

N.A.

3.2 Mixtures

CAS	EINECS N.	SUBSTANCES	%	HAZARDOUS
16731-55-8	240-795-3	PMS	65	HARMFUL R31/37/41
58-81-7	200-066-2	ASCORBIC ACID	35	-

4. FIRST AID MEASURES

4.1 General:

Protection of first-aiders: put on appropriate personal protective equipment (see section 8).
Move exposed casualty to fresh air. Remove contaminated clothing and shoes

4.2 Inhalation:

Remove to fresh air. Prevent cooling of the person. Keep casualty at rest in half-upright position. If not breathing, give artificial respiration. Get medical attention.

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4.3 Ingestion:

If swallowed, rinse mouth with water (only if person is conscious). Obtain medical attention if symptoms occur.

4.4 Skin contact:

Rinse with plenty of running water. Remove contaminated clothing and shoes. Obtain medical attention if symptoms occur.

4.5 Eyes contact :

Rinse with plenty of running water. Obtain medical attention if symptoms occur.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: water in case of fire nearby

5.2 Special hazards arising from the substance or mixture

Sulphur dioxide

The substances/groups of substances mentioned can be released if the product is involved in a fire.

5.3 Advice for fire-fighters

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

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

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

Avoid creating dusty conditions and prevent wind dispersal. Avoid contact with eyes, skin and clothing. Self-contained breathing apparatus. Use suitable protective equipment (section 8). Consult expert immediately. Keep away from sources of ignition. Take precautionary measures against static discharges. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

6.2 Environmental precautions

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

6.3 Clean-up Methods

Collect mechanically in suitable containers. Wash the residue with water.

6.4 Reference to other section

See also section 8 and 13

7. HANDLING AND STORAGE

7.1 Precaution for safe handling:

Preferably use in closed systems. Use with adequate ventilation. Use suitable protective equipment. Avoid contact with eyes, skin, respiratory tract and clothing.

Keep away from sources of ignition.

7.2 Condition of safe storage:

Keep in a cool and dry place ; adequately ventilated premises ; keep away from acids or antioxidant products

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Personal protection

General rules on personal protection and safety in the workplace:

Keep away from food, drink, and animal feeding stuffs.

Remove contaminated clothing.

Wash hands before break time or at the end of work.

Avoid contact with eyes and skin.

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Respiratory protection:

Dust protection mask P3

Hand protection:

CE-approved latex gloves specific for the chemical industry.

Eye protection:

Splash goggles. Do not use contact lenses.

Body protection:

Protective apron, boots

8.1 Personal protection

TLV –TWA: unknown (5 mg/m³ refer to SO₂) (ACGIH 2005)

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

- Appearance:	crystal powder
- Colour:	white-yellow
- Odour:	light sulphur dioxide
- Melting point/range:	not applicable
- Boiling point/boiling range:	not applicable
- Flash point:	not applicable
- Evaporation rate:	not applicable
- Flammability:	not flammable
- Vapour pressure:	not applicable
- Vapour density:	not applicable
- Relative density:	not applicable
- Water solubility at 20°	good
- Autoignition temperature:	not applicable
- Decomposition temperature:	not applicable.
- Viscosity, dynamic:	not applicable
- Explosivity:	not applicable
- Oxidizing properties:	not applicable

10. STABILITY AND REACTIVITY DATA

10.1 Stability:

Stable under recommended storage and handling conditions ; Dissolution starting at 150°C with release of SO₂

10.2 Conditions to avoid:

No special recommendations

10.3 Substances to avoid:

Acids – Antioxidant - NaNO₂ - NaNO₃

11. TOXICOLOGICAL INFORMATION

11.1 Potential acute health effects

Inhalation: may cause sensitisation by inhalation

Ingestion: no known significant effects or critical hazards

Skin contact: Irritating

Eye contact: Irritating - Risk of serious damage to eyes.

11.2 Potential chronic health effects:

Chronic effects: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

12. ECOLOGICAL INFORMATION

12.1 Environmental notes:

Refer to Potassium Metab.isulphite

Ittiotoxicity (acute toxicity) – Brachydamio rerio LC50: 460-1000 mg/L/96h

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Biotoxicity – Pseudomonas putida EC/LD50 (17h): 65 mg/L

COD: 140 mg/g

12.2 Aquatic eco-toxicity:

No specific data

12.3 Persistence / degradability:

No specific data

12.4 Other adverse effects:

No known significant effects or critical hazards.

12.5 Mobility:

For data on physical state and solubility see section 9.

12.6 Remarks:

The preparation is believed not to be dangerous to the environment with respect to mobility, persistence and degradability, bio-accumulative potential, aquatic toxicity and other data relating to eco-toxicity.

13. DISPOSAL CONSIDERATIONS

Product and packages:

Waste must be disposed of in accordance with applicable norms, through authorized disposal entities.

14. TRASPORT INFORMATION

14.1	UN number	Not classified as dangerous in the meaning of transport regulations
14.2	UN proper shipping name	N.A.
14.3	Transport hazard class (es)	N.A.
14.4	Packing Group	N.A.
14.5	Environmental hazards	N.A.
14.6	Special precautions for user	N.A.

15. REGULATORY INFORMATION

The product is classified as IRRITANT within the meaning of Directive 88/379/EEC and subsequent amendments.

Symbols:	Xi irritant
risk phrases:	R31 contact with acids liberates toxic gas R37 irritating to respiratory system R41 risk of serious damage to eyes
Safety Phrases	S1/2 keep locked up and keep out of reach of children S8 keep container dry S26 in case of contact with eyes rinse immediately and thoroughly with water and seek for medical advice

16. OTHER INFORMATION

Risks related to sulphur dioxide: toxic by inhalation Gases heavier than air. Can accumulate in enclosed spaces especially at ground level or below it. At high concentrations is corrosive to eyes, respiratory system and skin.

Before using this product in any new process or experiment should be conducted an in-depth study on safety and compatibility of the product with materials which may come into contact.

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The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

Enologica Vason arranges training meetings focused on knowledge and use of its products.

The data contained are based on the current level of our knowledge at the date of issue and/or revision. They are referred only to the product indicated and do not represent a specification of quality guarantee.
