



MATERIAL SAFETY DATA SHEET
Directive 91 - 155 (CEE)
POTASSIUM METABISULPHITE
OENOSTERYL EFFERVESCENT 2, 5, 10 g -
SUPRAROM - NUTROTANIN - STERILYL - REDOXY
Plus

Date: 28/10/2002

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Ind. Rev.: 5

1 - CHEMICAL PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION.

Product : POTASSIUM METABISULPHITE - OENOSTERYL EFFERVESCENT 2, 5, 10 g - SUPRAROM - NUTROTANIN - STERILYL - REDOXY Plus

Supplier : LAFFORT OENOLOGIE - B.P. 17
33 015 BORDEAUX CEDEX - FRANCE
Tel: 33.(0)5.56.86.53.04 Fax: 33.(0)5.56.86.30.50

Distributed by :

Local emergency contact number :

2 - COMPOSITION/INFORMATION ON INGREDIENTS.

Substances/preparation of : Potassium metabisulphite

Hazard content : Potassium metabisulphite

CAS number : 16731-55-8

EINECS number : 240-795-3

Formula : $K_2S_2O_5$

Concentration:

Potassium metabisulphite powder or crystals: 100%

Redoxy +: > 30%

Other products: < 30%

3 - HAZARD IDENTIFICATION

Hazard classification : Xi

Health effects and symptoms : R36/37 : irritating for the eyes and the respiratory routes.

Environmental effects : R31 : in contact with acid, releases a toxic gas .

4 - FIRST AID MEASURES.

General indications : Remove contaminated clothes rapidly.

Eyes : Rinse with water, eyelid opened during 15 minutes minimum.

Inhalation : Move to fresh air. Call a physician.

Skin : Wash carefully and abundantly with water and soap.

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5 - FIRE FIGHTING MEASURES.

Fire and explosion hazard:

Non combustible material.

In case of close fire (heat) some SO₂ gas can emanate.

Extinguishing media : Water.

Special fire fighting procedures : In case of fire use a autonomous respiratory equipment.

Other information : The contaminated water used to extinguish the fire has to be evacuated according the current local regulation.

6 - ACCIDENTAL RELEASE MEASUREURES

Health precautions : Provide an appropriate aeration. Avoid the formation of powder.

Environmental precautions : avoid that the product reach the drain.

Cleaning procedures : In case of light lost, wash with water and treat the contaminated water (oxidation with oxygen peroxide and neutralise with caustic soda). In case of large quantity, remove mechanically.

7 - HANDLING AND STORAGE

Precaution for safe handling : avoid the formation of powder.

Fire and explosion precaution : No

Storage : In a dry , cool and aerated room. Do not store close to oxidants, acids or products able to release acids.

8 - EXPOSURE CONTROL / PERSONAL PROTECTION.

General technical information : check with point 7.

Eyes protection : Security glasses with side protections.

Inhalation protection : If necessary use a mask with a sulphur dioxide filter.

Health : Wash hands and face after usage.

9 - PHYSICAL AND CHIMICAL PROPERTIES

Aspect : Powder, crystals or tablets (solidified powder).

Colour : White

Odour : Sulphur dioxide.

Molecular weight : 1200/dm³

Solubility in water at 20°C : 335 g/l H₂O

pH (in a 200g/l solution) : 3,5-4,5

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10 - STABILITY AND REACTIVITY.

Stability : Hazardous reaction with Nitrites, Nitrates, oxidants an acids.

Condition and material to avoid :

Decomposition of the product starting at 120°C.

Acids, oxidants and NaNO₃.

Hazardous decomposition products : Sulphur dioxide.

11 - TOXICOLOGICAL INFORMATIONS.

Acute toxicity : LD50/oral/rat : 2300 mg/kg.

Health effects : Can cause skin and respiratory route sensitiveness to allergic people to sulphur dioxide.

12 - ECOLOGICAL INFORMATION.

Inorganic product that can not be drain off through a regular biological treatment system.

This product in surface water can considerably reduce the amount of oxygen and have baneful consequences on alive organisms.

13 - DISPOSAL CONSIDERATIONS.

Waste disposal methods :

Product: evacuate according to the local regulation, using authorised services and appropriated equipment.

Contaminated packing : empty as best as you can and evacuate according to the material of fabrication.

14 - TRANSPORTATION INFORMATION.

No particular recommendation.

15 - REGULATORY INFORMATION.

EEC labelling :

according to the legislation

provisional

Not required

Hazardous symbol : Xi

R Phrases :

R31: in contact with acid forms a toxic gas.

R36/37: irritating for eyes and respiratory routes.

S26: In contact with eyes, rinse with water eyelid opened during 15 minutes minimum. Seek medical advice immediately.

16 - OTHER INFORMATION.

The information provided in this MSDS are considered to the date of publication as true and correct. Nevertheless the accuracy and the exhaustiveness of those information, as well as the regulations are provided without warranty.

Because Laffort Oenologie does not control the conditions of use of the products it is under the responsibility of the users to determine the best use for these products.