

# SAFETY DATA SHEET

Metabisolfito di Potassio



Issued on 09/14/2009 - Rel. # 7 on 05/29/2015

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In conformity to Regulation (EU) 2015/830

## SECTION 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product code : Metabisolfito di Potassio

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

Product for oenological and professional use  
Manufacture of food products[SU4]

Uses advised against  
Do not use for purposes other than those listed

### 1.3. Details of the supplier of the safety data sheet

ENOLOGICA VASON S.P.A.  
Via Nassar 37  
37029 SAN PIETRO IN CARIANO (VR)  
ITALY

msds@vason.it

### 1.4. Emergency telephone number

+39 0456859017

## SECTION 2. Hazards identification

### 2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:  
GHS05

Hazard Class and Category Code(s):  
Eye Dam. 1

Hazard statement Code(s):  
H318 - Causes serious eye damage.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):  
GHS05 - Danger

Hazard statement Code(s):  
H318 - Causes serious eye damage.

Supplemental Hazard statement Code(s):  
EUH031 - Contact with acids liberates toxic gas.



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### Precautionary statements:

#### Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or a doctor.

### Contains:

Potassium Metabisulfite

### 2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

In contact with acids liberates sulfur dioxide (SO<sub>2</sub>).

In case of fire releases sulfur dioxide (SO<sub>2</sub>).

The use of this chemical agent involves the obligation of "risk assessment" by the employer in accordance with the provisions of Legislative Decree n. 81 April 9, 2008. Workers exposed to this chemical agent should not be subject to health surveillance if the results of the risk assessment show that, depending on the type and amount of hazardous chemical agent and the method and frequency of exposure to the agent, you only a "moderate risk" for the health and safety of workers and that the measures envisaged in the same legislative decree are sufficient to reduce the risk.

## SECTION 3. Composition/information on ingredients

### 3.1 Substances

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Potassium Metabisulfite	100%	Eye Dam. 1, H318		16731-55-8	240-795-3	01-2119537 422-45-xxxx

### 3.2 Mixtures

Irrilevant

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

#### Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

#### Direct contact with skin (of the pure product):

Wash thoroughly with soap and running water.

#### Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

#### Ingestion:

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Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

Inhalation: may be irritating to the respiratory system.

Skin contact: may be irritating to the skin.

Eye contact: irritating, causes serious eye injuries.

Possibility of allergic symptoms in individuals.

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

Immediately call a POISON CENTER or a doctor.

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

### 5.2. Special hazards arising from the substance or mixture

In case of fire releases sulfur dioxide (SO<sub>2</sub>).

### 5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

### 6.2. Environmental precautions

Contain spill

Inform the competent authorities.

Discharge the remains in compliance with the regulations

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### 6.3. Methods and material for containment and cleaning up

#### 6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing  
Recover the product for reuse, if possible, or the removal.

#### 6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

#### 6.3.3 Other information:

Use mechanical handling equipment. Delete immediately the material collected according to regulations.

### 6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

At work do not eat or drink.  
See also paragraph 8 below.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.  
Keep containers upright and safe by avoiding the possibility of falls or collisions.  
Store in a cool place, away from sources of heat and direct exposure of sunlight.

### 7.3. Specific end use(s)

Manufacture of food products:

Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

Related to contained substances:

Potassium Metabisulfite:

Components with limit values to be respected in the workplace:

744-09 -5: sulphur dioxide

0.25 ppm STEL (OEL (NL))

DNEL

operator:

Long-term exposure-systemic effects, inhalation: 263 mg/m<sup>3</sup>

consumer:

Long-term exposure-systemic effects, inhalation: 78 mg/m<sup>3</sup>

consumer:

Long-term exposure-systemic effects, oral: 10 mg/kg

operator:

Inhalation

The limit of exposure to dust (inhalable fraction) was used as the basis for the DNEL

### 8.2. Exposure controls

Appropriate engineering controls:



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Manufacture of food products:  
No specific monitoring foreseen

Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

In case of fire and thermal decomposition releases sulfur dioxide (SO<sub>2</sub>).

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	white powder	
Odour	weak odor of sulphur dioxide	
Odour threshold	not determined	
pH	3.8-4.6	
Melting point/freezing point	undefined	
Initial boiling point and boiling range	undefined	
Flash point	not determined	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	undefined	
Upper/lower flammability or explosive limits	undefined	
Vapour pressure	undefined	
Vapour density	undefined	
Relative density	2.3 (20 °C)	
Solubility(ies)	in water	
Water solubility	450 g/L (20 °C)	
Partition coefficient: n-octanol/water	irrelevant	
Auto-ignition temperature	undefined	
Decomposition temperature	150 °C	

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Physical and chemical properties	Value	Determination method
Viscosity	non disponibile	
Explosive properties	non esplosivo	
Oxidising properties	non-oxidizing	

### 9.2. Other information

No data available.

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

The product is stable under normal conditions. No danger of reaction if handled and stored in accordance with the provisions.

### 10.2. Chemical stability

The product is stable under normal conditions. No danger of reaction if handled and stored in accordance with the provisions.

### 10.3. Possibility of hazardous reactions

The product is stable under normal conditions. No danger of reaction if handled and stored in accordance with the provisions.

### 10.4. Conditions to avoid

Store in a cool place away from humidity, heat and direct sunlight.

### 10.5. Incompatible materials

Acids, oxidizing agents, nitrates, nitrites, sulfides.

### 10.6. Hazardous decomposition products

In contact with acids liberates sulfur dioxide (SO<sub>2</sub>).  
In case of fire releases sulfur dioxide (SO<sub>2</sub>).

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

(a) acute toxicity: Potassium Metabisulfite: Acute toxic rating:

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Weakly toxic after a single ingestion. Practically non-toxic to a single inhalation. Practically non-toxic to a single skin contact. The product was not fully tested. The claims were partly derived from products of a similar structure or composition

Experimental/data calculated:

LD50 rat (oral): 2,300 mg/kg (test BASF)

LC50 rat (inhalation): > 5.5 mg/l 4h (OECD-guideline 403)

The product was tested. The information is derived from substances/products of similar composition or structure. Test performed on a finely powdered aerosol.

Rat LD50 (dermal): > 2,000 mg/kg (OECD-guideline 402)

The product was tested. The information is derived from substances/products of similar composition or structure.

(b) skin corrosion/irritation Potassium Metabisulfite: Non-irritating to the skin.

Skin corrosion/irritation, rabbit: non-irritant. (test BASF)

(c) serious eye damage/irritation: If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

Potassium Metabisulfite: Risk of serious eye injury.

Serious eye damage/eye irritation: rabbit irreversible damage (OECD guideline 405)

Potassium Metabisulfite: Risk of serious eye injury.

Serious eye damage/eye irritation: rabbit irreversible damage (OECD guideline 405)

(d) respiratory or skin sensitization: not applicable

(e) germ cell mutagenicity: not applicable

(f) carcinogenicity: not applicable

(g) reproductive toxicity: not applicable

(h) specific target organ toxicity (STOT) single exposure: not applicable

(i) specific target organ toxicity (STOT) repeated exposure not applicable

(j) aspiration hazard: not applicable

Metabisolfito di Potassio:

LD50 (rat) Oral (mg/kg body weight) = 2300

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5,5

Related to contained substances:

Potassium Metabisulfite:

LD50 (rat) Oral (mg/kg body weight) = 2300

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5,5

## SECTION 12. Ecological information

### 12.1. Toxicity

Metabisolfito di Potassio:

C(E)L50 (mg/l) = 43,799999

NOEC (mg/l) = 316

Use according to good working practices to avoid pollution into the environment.

### 12.2. Persistence and degradability

Evaluation of biodegradability and elimination (H<sub>2</sub>O):

Inorganic product, not eliminable from water with a biological treatment process.

Evaluation of stability in water:

Given the chemical composition, hydrolysis is not likely.

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## 12.3. Bioaccumulative potential

No data available.

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

## 12.6. Other adverse effects

No adverse effects

## SECTION 13. Disposal considerations

### 13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Operate according to local or national regulations

## SECTION 14. Transport information

### 14.1. UN number

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

### 14.2. UN proper shipping name

None

### 14.3. Transport hazard class(es)

None

### 14.4. Packing group

None

### 14.5. Environmental hazards

None

### 14.6. Special precautions for user

No data available.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

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**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available.

**15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

**SECTION 16. Other information****16.1. Other information**

Description of the hazard statements exposed to point 3  
H318 = Causes serious eye damage.

**GENERAL BIBLIOGRAPHY:**

1. Directive 1999/45/EC and subsequent updates
2. Directive 67/548/EEC and subsequent amendments and adjustments
3. Council Regulation (EC) 1907/2006 of the European Parliament (REACH)
4. Regulation (EC) 1272/2008 of the European Parliament (CLP) and subsequent updates
5. Council Regulation (EC) no 758/2013 of the European Parliament
6. Regulation (EC) no 453/2010 of the European Parliament
7. Regulation (EC) No 528/2012 European Parliament and subsequent updates
8. Council Regulation (EC) 648/2004 of the European Parliament and subsequent updates
9. The Merck Index And 10.
10. Handling Chemical Safety
11. Niosh Registry of Toxic Effects of Chemical Substances
12. INRS-Centre Piece
13. Patty-Industrial Hygiene and Toxicology
14. N.I. Sax-Dangerous properties of Industrial Materials-7 Ed., 1989

**Note to the user:**

the information in this tab are based on knowledge available to us on the date of the latest version.

The user must ensure the fitness and completeness of the information in relation to the specific use of the product.

You should not interpret it as a guarantee of any specific property of the product.

For the use of the product does not fall under our direct control, the obligation of the user to observe under their own liability laws and regulations on hygiene and safety. Do not assume liability for improper use.

This tab replaces and cancels all previous