



## Safety Data Sheet

# POTASSIO METABISOLFITO

Safety Data Sheet dated 10/7/2020, version 10

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

#### 1.1. Product identifier

Identification of the substance

Trade name: POTASSIO METABISOLFITO

Trade code: 121405-121600

CAS number: 16731-55-8

EC number: 240-795-3

REACH number: 01-2119537422-45

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

Recommended use:

SU 3 Industrial Use

SU 4 Food Industry

SU 10

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

Company:

PERDOMINI-IOC S.p.A.

Via Salvo D'Acquisto, 2

37036 S. Martino B.A. (Verona)

Tel. +39 045 8788611 - Fax +39 045 8780322

Competent person responsible for the safety data sheet:

info@perdomini-ioc.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):

 Danger, Eye Dam. 1, Causes serious eye damage.

EUH031 Contact with acids liberates toxic gas.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H318: Causes serious eye damage

Precautionary statements:

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.

P310 Immediately call a POISON CENTER or doctor/physician.

Special Provisions:

EUH031 Contact with acids liberates toxic gas

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Contains

Potassio metabisolfito

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

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

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### SECTION 3: Composition/information on ingredients

3.1. Substances

Identification of the substance

Chemical characterization: POTASSIUM METABISULFITE

Trade code: 121405-121600

Product type and use: preservative

CAS number: 16731-55-8

EC number: 240-795-3

REACH number: 01-2119537422-45

3.2. Mixtures

N.A.

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### SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

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### SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

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.

Burning produces heavy smoke.

5.3. Advice for firefighters

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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.

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### 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

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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

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 away from food, drink and feed.

Incompatible materials:

Keep away from acids.

Instructions as regards storage premises:

Adequately ventilated premises.

#### 7.3. Specific end use(s)

None in particular

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

POTASSIUM METABISULFITE - CAS: 16731-55-8

TLV TWA - 2 ppm

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

#### 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Protection for skin:

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

Protection for hands:

Respiratory protection:

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

| Properties                                    | Value                           | Method: | Notes: |
|---|---------------------------------|---------|--------|
| Appearance and colour:                        | Cristalline white powder        | --      | --     |
| Odour:  | typacal of SO <sub>2</sub>      | --      | --     |
| Odour threshold:                              | n.a.                            | --      | --     |
| pH:   | 4,2                             | --      | --     |
| Melting point / freezing point:               | > 150°C                         | --      | --     |
| Initial boiling point and boiling range:      | n.a.                            | --      | --     |
| Flash point:                                  | n.a.                            | --      | --     |
| Evaporation rate:                             | Not Relevant                    | --      | --     |
| Solid/gas flammability:                       | no flammable                    | --      | --     |
| Upper/lower flammability or explosive limits: | n.a.                            | --      | --     |
| Vapour pressure:                              | n.a.                            | --      | --     |
| Vapour density:                               | n.a.                            | --      | --     |
| Relative density:                             | 2.34 g/cm <sup>3</sup>          | --      | --     |
| Solubility in water:                          | 450 g/L H <sub>2</sub> O (20°C) | --      | --     |
| Solubility in oil:                            | n.a.                            | --      | --     |
| Partition coefficient (n-octanol/water):      | - 4.0                           | --      | --     |
| Auto-ignition temperature:                    | absent                          | --      | --     |
| Decomposition temperature:                    | 150°C                           | --      | --     |
| Viscosity:                                    | n.a.                            | --      | --     |
| Explosive properties:                         | absent                          | --      | --     |
| Oxidizing properties:                         | absent                          | --      | --     |

##### 9.2. Other information

| Properties | Value | Method: | Notes: |
|------------|-------|---------|--------|
|------------|-------|---------|--------|

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|                                      |      |    |    |
|--------------------------------------|------|----|----|
| Miscibility:                         | N.A. | -- | -- |
| Fat Solubility:                      | N.A. | -- | -- |
| Conductivity:                        | N.A. | -- | -- |
| Substance Groups relevant properties | N.A. | -- | -- |

#### SECTION 10: Stability and reactivity

- 10.1. Reactivity  
none
- 10.2. Chemical stability  
stable
- 10.3. Possibility of hazardous reactions  
none
- 10.4. Conditions to avoid  
Contact with acid
- 10.5. Incompatible materials  
acid
- 10.6. Hazardous decomposition products  
none

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

Toxicological information of the substance:

POTASSIUM METABISULFITE - CAS: 16731-55-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2300 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5.5 mg/l - Duration: 4h

Test: LC50 - Route: Skin - Species: Rat > 2000 mg/kg

Potassio metabisolfito - CAS: 16731-55-8

LD50 orale (ratto): 2300 mg/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

#### SECTION 12: Ecological information

##### 12.1. Toxicity

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

Fish toxicity (acute toxicity) - *Brachydemio rerio* LC50 (96h): 460-1000 mg/l

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Biotoxicity - Pseudomonas putida EC50 (17h): 65 mg/l

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a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 460-1000 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 89 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 43.8 mg/l - Duration h: 72

Endpoint: NOEC - Species: Fish > 316 mg/l - Duration h: 816

Endpoint: NOEC - Species: Daphnia > 10 mg/l - Duration h: 504

f) Effects in sewage plants:

Endpoint: NOEC > 1000 mg/l - Duration h: 3

12.2. Persistence and degradability

None

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

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### 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.

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### SECTION 14: Transport 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

Marine pollutant: No

N.A.

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No

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### 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

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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)  
Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
Regulation (EU) n. 2016/918 (ATP 8 CLP)  
Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
Regulation (EU) n. 2017/776 (ATP 10 CLP)

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

None

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)  
Regulation (EC) nr 648/2004 (detergents).  
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1  
None

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the substance.

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## SECTION 16: Other information

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking  
SECTION 2: Hazards identification  
SECTION 3: Composition/information on ingredients  
SECTION 4: First aid measures  
SECTION 6: Accidental release measures  
SECTION 7: Handling and storage  
SECTION 8: Exposure controls/personal protection  
SECTION 9: Physical and chemical properties  
SECTION 10: Stability and reactivity  
SECTION 11: Toxicological information  
SECTION 12: Ecological information  
SECTION 13: Disposal considerations  
SECTION 14: Transport information  
SECTION 15: Regulatory information  
SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

## Safety Data Sheet

# POTASSIO METABISOLFITO

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

|             |  |
|-------------|--|
| ADR:        | European Agreement concerning the International Carriage of Dangerous Goods by Road. |
| ATE:        | Acute Toxicity Estimate  |
| ATEmix:     | Acute toxicity Estimate (Mixtures)   |
| CAS:        | Chemical Abstracts Service (division of the American Chemical Society).              |
| CLP:        | Classification, Labeling, Packaging.   |
| DNEL:       | Derived No Effect Level.   |
| EINECS:     | European Inventory of Existing Commercial Chemical Substances.                       |
| GefStoffVO: | Ordinance on Hazardous Substances, Germany.  |
| GHS:        | Globally Harmonized System of Classification and Labeling of Chemicals.              |
| IATA:       | International Air Transport Association.   |
| IATA-DGR:   | Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  |
| ICAO:       | International Civil Aviation Organization.   |
| ICAO-TI:    | Technical Instructions by the "International Civil Aviation Organization" (ICAO).    |
| IMDG:       | International Maritime Code for Dangerous Goods.                                     |
| INCI:       | International Nomenclature of Cosmetic Ingredients.                                  |
| KSt:        | Explosion coefficient.   |
| LC50:       | Lethal concentration, for 50 percent of test population.                             |
| LD50:       | Lethal dose, for 50 percent of test population.                                      |
| PNEC:       | Predicted No Effect Concentration.   |
| RID:        | Regulation Concerning the International Transport of Dangerous Goods by Rail.        |
| STEL:       | Short Term Exposure limit.   |
| STOT:       | Specific Target Organ Toxicity.  |
| TLV:        | Threshold Limiting Value.  |
| TWA:        | Time-weighted average  |
| WGK:        | German Water Hazard Class.   |