Vinoferm Campden svovl

1. IDENTIFICATION OF THE PRODUCT

* Trade name : POTASSIUM METABISULFITE SOLID FOOD

* Product Code : 004.010.5 – 004.013.9

* Identification of the product
- Type of product : Pure product.
- Use of product : **Several industrial applications Food additive (E224)**

* Company identification : See footer of Material Safety Data Sheet.

* Emergency phone number : See footer of Material Safety Data Sheet.

2. HAZARD IDENTIFICATION

* Irritant (Xi) :
R37 - Irritating to respiratory system.
R41 - Risk of serious damage to eyes.

* Other :
R31 - Contact with acids liberates toxic gas.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Name component(s)	Weight %	CAS nr	EC nr	EC annex nr	Symbol(s)	R-phrases
Potassium metabisulphite	> 97 %	16731-55-8	240-795-3	-----	Xi	31-37-41

The full text of the R-phrases is in chapter 16.

4. FIRST AID MEASURES

General :
In case of doubt or persistent symptoms, call a physician. Never give anything by mouth to an unconscious person.

First Aid Measures
- Inhalation : Remove victim into fresh air. Allow the affected person to rest. If not breathing, give artificial respiration. Consult a doctor.

- Skin Contact : Remove contaminated clothing. Rinse skin immediately with mild soap and plenty of water. (shower if necessary). Consult doctor if irritation develops.

- Eye Contact : Rinse immediately thoroughly and long (at least 15 min.) with plenty of water. Remove contact lenses. Consult eye doctor. Do not use a neutralisation agent.

- Ingestion : DO NOT INDUCE VOMITING. Rinse mouth with water. Seek medical attention or take to hospital.

5. FIRE-FIGHTING MEASURES

Extinguishing Media
- Suitable : Incombustible product. In case of nearby fire, use of all extinguishing media allowed.

* Special Procedures : Apply water spray or fog to cool nearby equipment. Avoid fire-fighting water to enter environment.

* Special Exposure Hazards : Contact with acids liberates toxic gas.
Special Protective Equipment for firefighters : Use self-contained breathing apparatus when in close proximity to fire.

6. ACCIDENTAL RELEASE MEASURES

* Personal Precautions :
Evacuate all personnel immediately and ventilate area. Avoid breathing the product and contact with eyes and skin. Wear recommended personal protective equipment. (See chapter 8).

* Environmental Precautions :
Prevent entry of product in public water, sewers or soil. Notify authorities if product enters sewers or public waters.

* Methods for Cleaning Up :
Collect the spillage in closable, suitable disposal containers. Clean up any spills as soon as possible, using an inert absorbent material and eliminate as hazardous waste. (See chapter 13).
Residue is to be washed down with plenty of water.

7. HANDLING AND STORAGE

* Handling :
Ventilate area. Avoid dust creation. Avoid breathing the product and contact with eyes and skin.
Wear recommended personal protective equipment. (See chapter 8).

* Storage :
Keep only in the original, safely locked container in a well - ventilated and dry place.
Keep away from : Acids .

8. MEASURES EXPOSURE CONTROL/ PERSONAL PROTECTION

Engineering Measures : Ventilate area.

Industrial Hygiene : When using, do not eat, drink or smoke.
* Occupational Exposure Limits : Not established.

Personal Protection Equipment
- Respiratory Protection : Ventilation Local exhaust , Dust respirator (Filter type P2).
- Hand Protection : Gloves (Butyl rubber, PVC, ...).
- Eye Protection : Chemical goggles .
- Skin and Body Protection : Suitable protective clothing .

9. PHYSICAL AND CHEMICAL PROPERTIES

* Physical State (20°C) : Crystalline solid.
* Form/Colour : Colourless to white.
* Odour : Pungent odour .
* pH value : 3 - 4,5 (50 g/l, 20°C)
* Boiling Point/Range (1013 hPa) : Not applicable.
* Congealing/Melting point : 190 °C
* Decomposition temperature : 150 - 190 °C
* Flash point : Not applicable.
* Density : 1,1 - 1,3 kg/ (15°C)
* Solubility in water : 45 g/100 ml
* Log P Octanol/Water (20°C) : -4
* Others : Hygroscopic .

10. STABILITY AND REACTIVITY

Stability : Stable at normal circumstances.
* Conditions to avoid : Moisture.

Materials to avoid : Acids .
* Hazardous Decomposition Products : Contact with acids liberates toxic gas.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
* - Inhalation : Irritating to respiratory system.
Symptoms include: Sore throat , Cough , Shortness of breath .

- Skin contact : May be irritating for the skin.
Symptoms include: Redness , Pain .

* - Eye contact : May be irritating to eyes. Risk of serious damage to eyes.
Symptoms include: Redness , Pain .

- Ingestion : Symptoms include: Sore throat , Abdominal pain .
* : • Potassium metabisulphite : LD50 (Rat, oral) : 2300 mg/kg

Other toxicological information : Information on the webaddress http://ecb.jrc.it/ESIS (see IUCLID Data Sheets).
* Carcinogenicity : Not listed.
* Mutagenicity : Not listed.
* Teratogenicity : Not listed.

12. ECOLOGICAL INFORMATION

Mobility : Reasonably soluble in water.
* Persistence and degradability : Inorganic product .
* Bioaccumulation : Bioaccumulation not expected .
* Ecotoxicity : Potassium metabisulphite : LC50 (Fish, 96 h) : > 200 mg/l
* Other ecological information : Information on the webaddress http://ecb.jrc.it/ESIS (see IUCLID Data Sheets).
* WGK class (Germany) : 1 (Weak water pollutant).
* Water damaging (The Netherlands) : 9
* Decontamination exertion (The Netherlands) : B

13. DISPOSAL CONSIDERATIONS

Waste from residues/Unused products : The product has to be destroyed according to national or local legislation, by a company specialised in handling hazardous waste products.

Removal contaminated packaging : Packing is to be used exclusively for the packing of this product. After use, empty and close the packing very carefully.

* European list of waste products : European waste product code: ' XX XX XX '. This code is assigned on the basis of the most current applications and can not be representative for pollutions which are arisen at the effective use of the product. The producer of the waste has to evaluate its process himself and has to grant the appropriate waste coding. See directive 2001/118/EC.

14. TRANSPORT INFORMATION

Land (Road/Railroad, ADR/RID) : Product not mentionned in list of dangerous goods for road transport.

Sea Transport (IMDG) : Product not mentionned in list of dangerous goods for sea transport.

15. REGULATORY INFORMATION

Remark : Product not mentionned in list of dangerous goods (Annex 1 of Directive 67/548/ EC, most recent adaptation).
The data mentionned at the bottom are recommended by the producer.
Name dangerous component(s) : Potassium metabisulfite .
Symbol(s) : Irritant (Xi).



* R-Phrases :
R31 - Contact with acids liberates toxic gas.
R37 - Irritating to respiratory system.
R41 - Risk of serious damage to eyes.

* S-Phrases :
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 - Wear eye/face protection.

* X-Phrases (The Netherlands) : X01 - Reserved for industrial and professional use.

16. OTHER INFORMATION

* This safety data sheet has been drawn up in accordance with the EC Regulation n° 1907/2006.
This safety data sheet is exclusively made for industrial/professional use.
* Changes : General revision .
* R-phrases :
R31 - Contact with acids liberates toxic gas.
R37 - Irritating to respiratory system.
R41 - Risk of serious damage to eyes.
* Inventories : European inventory (EINECS): Listed in inventory.