

SAFETY DATA SHEET

Regulation (CE) n°1272/2008 amending Regulation (CE) n°1907/2006
SDS established specifically for Blue H2O Filtration BHF Technologies

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Ind. Rev.: A

PYROSULFITE DE POTASSIUM FERMENTICIDE VINOALLICINE COEFF, ST AROM

1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE / COMPANY IDENTIFICATION

1.1. Identification of the substance : PYROSULFITE DE POTASSIUM - FERMENTICIDE VINOALLICINE – COEFF – ST AROM

1.2. Relevant identified uses : Preservative used for the sulfur dioxide brought.

1.3. Company / undertaking identification :

LAMOTHE-ABIET - Z.A. ACTIPOLIS AVENUE FERDINAND DE LESSEPS - 33610 CANEJAN - FRANCE

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Imported by Blue H2O Filtration BHF Technologies

Unit 1, 11-13 Wells Road

VIC 3166 Oakleigh, Australia

www.bhftechnologies.com.au

Telephone: (03) 9564 7029 (Business hours)

1.4. Emergency Telephone :

General emergency:	000
After hours emergency:	0401 446 119
Poisons information centre	1800 251 525 or 131 126
Chemcall Australia	1800 127 406

Informations under the responsibility of Blue H2O Filtration BHF Technologie



2 – HAZARDS IDENTIFICATION

Classification according to the Regulation (CE) N 1272/2008 and amendments:

GHS classification : Hazardous according to the criteria of the Globally Harmonised System (GHS) of classification and labelling of chemicals.

Hazard categories: Acute Toxicity (Oral) – Category 4
Serious Eye Damage/Irritation – Category 1

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Pictograms :

Signal word : Danger

Risk sentences: **H318**: Cause serious eye irritation.
H335: May cause respiratory irritation.
EUH031: Contact with acid liberates toxic gas.

Instruction sentences: **P261**: Avoid breathing dust/fume/gas/mist/vapour/spray.
P271: Use only outdoors or in well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 +P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell

Dangerous goods classification: NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Nature of the product: substance (potassium metabisulphite) and preparation (for other products)

PYROSULFITE DE POTASSIUM: Potassium metabisulphite (100%)

COEFF: Potassium metabisulphite (≈ 67%) and potassium bicarbonate (≈ 33%)

FERMENTICIDE VINOALLICINE: Potassium metabisulphite (≈ 92%) and oenological tannins (≈ 8%)

ST AROM: Potassium metabisulphite (≈ 50%), ascorbic acid (≈ 25%) and oenological tannins

Hazardous components: potassium metabisulphite

Formula: $K_2S_2O_5$

CAS n°: 16731-55-8

Hazard pictograms: GHS05



Signal Word: Danger

Hazard statements: 318

EINECS n°: 240-795-3

E n°: E224

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4 – FIRST AID MEASURES

General indications: remove quickly the contaminated clothes.

In case of eye contact: Rinse with water immediately and abundantly during 15 minutes by maintaining the eyelids opened. Consult an ophthalmologist.

In case of inhalation: Aerate the room. Remove the patient from the contaminated premises and allow him to rest in a well ventilated area. Blow the nose to evacuate the dust. In case of faintness, consult a doctor.

In case of ingestion: Do not vomit. Rinse the mouth with full water then drink some water. In case of persistent disorders, consult a doctor.

In case of skin contact: Wash with plenty of soap and water. If an irritation develops, consult an ophthalmologist.

5 – FIRE-FIGHTING MEASURES

Non-flammable.

Suitable Extinguishing Media: Water, CO₂, foam, chemical powders according to the materials involved in the fire.

Extinguishing media to be avoided: None in particular.

Risks arising from combustion: In case of close fire some SO₂ gas can emanate. In case of combustion of the preparations, can emit toxic smokes.

Protective equipment: In case of fire, use protection for the respiratory tract.

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

6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: See § 8 below.

Carefully plan the environment: Prevent the flow of the product in sewers, grounds and natural waters.

Cleaning methods: If the product is in liquid form, stop it from entering the drainage system. In case material released or spilled, vacuum spill. Appropriately absorb any spills with inert material and dispose of properly. Avoid the formation of dust. After picking up the product, rinse the area and materials with water.



7 – HANDLING AND STORAGE

Precaution for handling: Avoid contact and inhalation of dust. See also § 8 below. Do not eat or drink during the work.

Storage conditions: The containers should always be tightly closed. Do not store close to oxidants, acids or products able to release acids.

For local indication: Store in original sealed packages, in a cool dry place (off the floor) in an odour-free environment.

8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Precautions: Properly ventilate the premises where the product is stored and / or handled.

Technical measures: use an appropriate ventilation system to keep the quantity of dust under the breathable limit.

Parameters of control :

Sulfur dioxide, N° CAS : 7446-09-5

- Limits of professional exposure:

- o TLV© - TWA 2 ppm
- o TLV© - STEL 5 ppm
- o OEL (UK) –LTEL 1 ppm
- o OEL (UK) –STEL 1 ppm
- o VLE - France 5 ppm 10 mg/m³
- o VME- France 2 ppm 5 mg/m³
- o AGW – Germany 1 ppm 2,5 mg/m³
- o MAK – Austria TMW 2 ppm 5 mg/m³KZW 4 ppm 10 mg/m³
- o MAK/KZGW – Swiss 0,5 ppm 1,3 mg/m³

- Diverted ineffective Dose (DNEL) :

Way of exposure	Group of people	Duration of exposure / effect	Value	Notice
Inhalation	Worker	Short term / local effects	2,7 mg/m ³	DNEL
Inhalation	Worker	Long term / local effects	1,3 mg/m ³	DNEL
Inhalation	General population	Long term / local effects	0,53 mg/m ³	DNEL

- Ineffective predictable Concentration (PNEC): the value PNEC is not available.

Respiratory Protection: Wear protective mask (P3 filter – EN143) in case of excessive dusts.

Protection of hands: Use waterproof protective gloves.

Eye protection: Wear safety glasses with lateral protection.

Skin Protection: Wear protective clothes which guarantee a total protection of the skin (ex cotton, PVC, cahoutchouc).



9 – PHYSICAL AND CHEMICAL PROPERTIES

Aspect:	Powder, crystals.
Color:	White
Other characteristics:	Light odor (sulphurous anhydride)
pH (in a 200g/l solution):	3,5-4,5
Specific weight:	1200g/dm ³
Solubility:	335 g/l H ₂ O at 20°C

Other physico-chemical parameters are not relevant for the safety.

For further information, refer to the data sheet and to the Product sheet.

10 – STABILITY AND REACTIVITY

Chemically stable if stored in a dry and cool place. Avoid humidity.

Substances to avoid: Acids, oxidants and NaNO₃. Hazardous reaction with Nitrites, Nitrates, oxidants acids.

Danger of decomposition: Decomposition of the product starting at 120°C. Sulphur dioxide.

11 – TOXICOLOGICAL INFORMATION

Acute toxicity: This product has low toxicity. Only large volumes may have adverse impact on human health.

LD50 rat, oral : > 2300 mg/kg

Skin corrosion/irritation: According to the available experimental studies: not irritating.

Eye damage/irritation: risk of eye damages.

Respiratory /Skin sensitization: irritating for respiratory tracts. An inhalation repeated of dusts can cause a raising awareness of the subject and cause allergic reactions.

CMR (Carcinogenity, germ cell Mutagenicity, Reproductive toxicity): No known effects.

12 – ECOLOGICAL INFORMATION

Ecotoxicity: harmful (acute harmfulness) for the aquatic bodies. The result of the essay can be partially provoked, by the products of decomposition.

Obstinacy and degradability: mineral Product, cannot be eliminated from some water by biological processes of purge.

Potential of bioaccumulation: because of the coeff. of division (sharing) n-octanol-eau (log Pow), a notable accumulation in the bodies is not expected.

Other information: in high concentration, the substance can entail a strong consumption of oxygen in the biological water-treatment plants or in the waters. The appropriate introduction of low concentrations in adapted water-treatment plant does not disrupt the cycle of biological action of activated sludges.



13 – DISPOSAL CONSIDERATION

Sweep or vacuum released product. Avoid raising dust.

No required method of special elimination Refer to national government, regional and local regulations before disposal procedure.

14 – TRANSPORT INFORMATION

According to the international rules of transport, this product is not hazardous materials.

Road transports: ADR = not referenced.

Rail transports: RID = not referenced.

River and maritime transports: DNA and IMDG = not referenced.

Air transports: ICAO / IATA = not referenced.

15 – REGULATORY INFORMATION

Particular regulations / legislation in the substance regarding safety, regarding health and regarding environment

Legislation EU:

- Listed as substance or dangerous preparation according to the regulation (CE) n°1272 / 2008 (CLP).
- Product concerned by the regulations on the labeling of hazardous substances.
- Potassium metabisulphite is a part of the exhaustive list of the food additives of the part B of the appendix II of the regulation (CE) n°1333 / 2008 under the number E224.
- No limitations according to the appendix XVII of REACH. Does not contain substance candidate REACH.
- The product is considered not hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Comply with any provision of national law in force.

16 – OTHER INFORMATION

The information given in this material data safety sheet is considered to be true and correct at time of publication. However the precision and completeness of this information, including all regulations, are given without warranty.

As usage conditions are beyond our control, it is the user's responsibility to determine safe usage conditions for this product.

« We inform all users of the risks incurred when a product is used for practices other than those for which it is designed. The user must understand and apply the totality of the regulations controlling the activity».

