

SAFETY DATA SHEET

Regulation (EC) n° 1272/2008 amending Regulation (EC) n° 1907/2006

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Ind. Rev.: 1

BENTOSOL PROTECT – BENTOSOL POUFRE – BENTOSOL FT

1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE / COMPAGNY IDENTIFICATION

- 1.1. Identification of the substance :** BENTOSOL PROTECT – BENTOSOL POUFRE – BENTOSOL FT
- 1.2. Relevant identified uses :** Natural bentonite intended for stabilization and clarification in wine, grape juice and must
- 1.3. Company / undertaking identification :**
LAMOTHE-ABIET - Z.A. ACTIPOLIS AVENUE FERDINAND DE LESSEPS - 33610 CANEJAN - FRANCE
Tel: +33 (0)5.57.77.92.92 Fax: +33 (0)5.56.86.40.02 / contact@lamothe-abiet.com www.lamothe-abiet.com
- 1.4. Emergency Telephone :**
Contact the Anti-Poison department or your local hospital

2 – HAZARDS IDENTIFICATION

The product mentioned above does not fill the criteria of dangerousness listed in the regulations n°1907/2006/CE and n°1272/2008 as well as in the directives n°67/548/EEC and n°1999/45/CE. The product is considered not hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). So, this product does not require a safety data sheet. The transmitted informations are given for information purposes.

Do not produce dust because of the risk of formation and inhalation of crystalline silica in suspension. The crystalline silica maybe considered as harmful by inhalation. IARC classified the silica crystalline as carcinogenic. The crystalline silica is known to be the cause of the silicosis, not cancerous disease of lungs.

Concerning BENTOSOL range, the European Association of the Producers of Minerals which made out a will to them according to the methodology SWeRF (Size Weighted Respirable Fraction) ends on the absence of harmfulness of these bentonites.

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Product nature: Natural sodium bentonite (BENTOSOL PROTECT – BENTOSOL POUFRE) - Natural sodium-calcium bentonite (BENTOSOL FT)

N°CAS 1302-78-9
N° EINECS 215-108-5

Hazardous components : none

4 – FIRST AID MEASURES

No required device.

In case of eye contact: Rinse with water immediately and abundantly during 15 minutes by maintaining the eyelids opened. If an irritation develops, 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. In case of faintness, consult a doctor.

In case of ingestion: Do not drink or vomit. Rinse mouth with plenty of 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: None in particular.

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

6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: See § 8 below.

Carefully plan the environment: None.

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. Wet bentonite can be slippery.

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.

For local indication: Avoid exposure to humidity. 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.

Components Breathable limit

Breathable dusts 0,1 mg/m³

Inhalable dusts 10 mg/m³

Respiratory Protection: Wear protective mask (P3 filter – EN143) in little ventilated zones

Protection of hands: Not required for normal use. Use waterproof protective gloves in case of sensibility

Eye protection: Wear safety glasses in little ventilated zones

Skin Protection: Not required for normal use.

Exposure limit (ACGIH): None.

9 – PHYSICAL AND CHEMICAL PROPERTIES

	<u>BENTOSOL PROTECT</u>	<u>BENTOSOL POUUDRE</u>	<u>BENTOSOL FT</u>
<u>Aspect</u>	Microgranular	Powder	Powder
<u>Color :</u>	Light gray	White	Light gray
<u>Smell :</u>	Odourless	Odourless	Odourless
<u>pH</u>	~ 8 - ~10	~ 10	~ 8 - ~10
<u>flash point</u>	Not determinated	Not determinated	Not determinated
<u>Solubility in the water</u>	< 0.9mg/L – 20°C	< 0.9mg/L – 20°C	< 0.9mg/L – 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: none.

Danger of decomposition: none.



11 – TOXICOLOGICAL INFORMATION

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

LD50 rat, orale : >2000 mg/kg

CL50 rat, inhalation 1h : >5,25mg/L

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

Eye damage/irritation: According to the available experimental studies: not irritating.

Respiratory /Skin sensitization: According to the available experimental studies: not making sensitive.

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

12 – ECOLOGICAL INFORMATION

Ecotoxicity : Non toxic. The substance is highly insoluble in water and the substance is unlikely to cross biological membranes. No adverse ecological effects are known.

LC50 (96h) for freshwater fish (rainbow trout): 16000 mg/l

LC50 (24h) for marine water fish (black bass, warmouth bass, blue gill and sunfish): 2800-3200 mg/l

EC50 (96h) for freshwater invertebrates (Dungeness crab): 81.6 mg/l

EC50 (96h) for freshwater invertebrates (dock shrimp): 24.8 mg/l

LC50 (24h) for C. dubia and H. limbata: >500 mg/L

EC50 (72h) for freshwater algae: > 100 mg/l

EC50 (48h) for daphnia magna (OECD 202): > 100 mg/l

Obstinacy and degradability: Not expected to degrade.

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: Negative results of PBT and vPvB assessment.

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

Not listed as a hazardous substance or preparation according to the regulation n°1272/2008 (CLP)/

Product not covered by the rules on the labeling of dangerous substances.

Product not submitted to recording, to the obligations of the users downstream, to the evaluation nor to the authorization according to REACH.

Comply with any provision of national law in force.

16 – OTHER INFORMATION

The information given in this 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».

