

Veiligheidsinformatieblad (MSDS) Zwelpasta Bentoniet

According to regulation (EC) No. 1907/2006, (EC) No. 453/2010, (EC) No. 1272/2008

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier:**

Product name:

Characteristic of mixture: bentonite and grease

Product number: none

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

Identified uses: bentonite sealant

Unidentified uses: none

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

Business name:

Business address:

Telephone number:

Telex number:

Email:

Author MSDS:

e-mail:

1.4 Emergency telephone number:

Emergency telephone number in France: unknown – to be completed

SECTION 2: Hazards identification

This mixture is not classified as dangerous according to Directive (EC) No. 1999/45 and also to Regulation (EC) 1272/2008 (CLP)

2.1 Classification of the substance or mixture:

According to Regulation (ES) No. 1272/2008 (CLP):

Classification: the mixture is not classified as dangerous

Adverse for human health: None

Adverse for the environmental effects: none

Adverse for physicochemical: none

According to Directive (ES) No. 1999/45/ES

Classification: the mixture is not classified as dangerous

Adverse for human health: none

Adverse for environmental effects: none

Adverse physiochemical none

2.2 Label elements:

According to Regulation (EC) No. 1272/2008 (CLP):

Hazard pictograms: none

Hazardous ingredients: contain any dangerous substances

H-statements: none

P – statements: none

EUH statements: none

According to Directive (EC) No. 1999/45

Hazard pictograms: none

R-phrases: none

S-phrases: none

Special particulars: none

Hazard components: contain any dangerous substances

2.3 Other Hazards:

PBT: not applicable

vPvB: not applicable

2.4 Other information:

Safety data sheet available on request.

SECTION 3: Composition/information on ingredients

3.1 Substances:

None – preparation is a mixture

3.2 Mixtures:

Contained hazard components and their identification: any of contained component is classified as dangerous.

Identifier of component

Name: Bentonite

Identification number: Index No, CAS No, EC No, Uncommitted, 1302-78-9, 215-108-5

Register number: exempted from registration in accordance with Annex V, p. 7 (REACH)

Concentration (% mas.): 50-60

Classification (EC) 1272//2008

Hazard class and category codes: none

Hazard statement codes: none

Suppl. Hazard statement codes: none

Classification 67/548/EEC

Classification: none

R-phrases: none

Identifier of component

Name: Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene

Identification numbers: Index No, CAS No, EC No, uncommitted, 9003-29-6, 500-004-7

Registration number: exempted from registration – polymer

Concentration (% mas.) <5

Classification (EC) 1272/2008

Hazard class and category codes: none

Hazard statement codes: none

Suppl. Hazard statement codes: none

Classification 67/548/EEC

Classification: none

R-phrases: none

Other data: see section 16 for ingredient risk phrases text and for hazard statements text.

Note: none

SECTION 4: First aid measures

4.1 Description of first aid measures:

General indications: in all serious cases of injury, by ingestion, eye contact, when in doubt or in overcoming the problems always seek medical treatment and doctors pass for inspection this MSDS; if the person is unconscious, place in recovery position and basically give nothing by mouth

Inhalation: not required

Skin contact: remove the contaminated clothing, immediately wash skin with soap and water and rinse thoroughly or use an approved composition for skin care; do not use organic solvents

Eye contact: remove contact lenses (if used); open eye rinse for several minutes under water stream; while continuing difficulties to seek medical treatment

Ingestion: do not induce vomiting; keep affected at rest; rinse mouth with water and drink gradually plenty of water (1/4 – ½ l); seek medical treatment when ingested in large amounts immediately; doctors pass for inspection this MSDS for the label;

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

There is any relevant information

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

There is any relevant information available

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable Extinguishing media: product is not flammable, not applicable

Unsuitable Extinguishing media: product is not flammable, not applicable

5.2 Special hazards arising from the substance or mixture:

can decompose at high temperatures to form smoke comprising hazardous gases (carbon-monoxide – CO; carbon-dioxide – CO₂)

5.3 Advice for firefighters

Use suitable protective clothing, respiratory protection independent of the ambient environment with full face mask.

Other information: way of fighting and extinguishing agents used adapt to the environment conditions; evacuate all persons from the fire area; fighting not to insufficiently trained persons increased if it's in their personal threat.

SECTION 6: Accidental release measures

6.1 Personal Precautions, protective equipment and emergency procedures:

Personal precautions: use personal protective equipment; other special measures are not necessary

Protective equipment: see section 8

Emergency procedures: special measures are not necessary

6.2 Environmental precautions:

Prevent penetration into soils, drains, surface and groundwater; inform the relevant water authority in the case of entry into sewers or surface waters, in case of penetration into soil competent environmental protection authority

6.3 Methods and material for containment and cleaning up:

Mechanically remove and dispose of according to section 13

6.4 Reference to other sections:

Information of safe handling: section 7

Information of personal protective equipment's: section 8

Information of waste disposal: section 13

Other information: any dangerous substances released

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Close opened containers thoroughly after use; wear personal protective equipment in accordance with sec. 8; comply with all applicable laws on occupational safety and health at work; avoid contact with eyes, skin and clothing; avoid ingestion; do not use empty containers

7.2 Conditions for safe storage, including any incompatibilities

Store in original container; do not expose to direct sunlight, radiant heat and frost; do not store together with food, beverages and feed; close packaging thoroughly after use and store upright in order to avoid possible leakage.

7.3 Specific and use(s):

There is any relevant information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Bentonite – PELc 6,0 mg/m³

Mineral oils (aerosol) – PEL 5 mg/m³

NPK-p 10mg/m³

Limits applicable in France: unknown – to be completed.

8.2 Exposure Controls:

General health and precautionary measures: special ventilation is not required for the workplace; good central ventilation is sufficient to maintain the concentration limits; dry sanding, flame removal and similar technologies to increase the risk of dust and harmful gasses; use appropriate respiratory protection when crossing limit concentrations respiratory protection: respiratory protection is not required under normal conditions and recommended use; use appropriate respiratory protection if possible formation of dust or fumes; mask selection must be based on known or anticipated exposure levels of concentration, the hazards of the product and permissible exposure limits

Hand protection: use chemical resistant, impervious gloves complaint of the standards at every handling the product, which is expected the risk; protective barrier cream can be used as a supportive hand protection, fundamentally it does not use after the preparation exposure.

Recommended material of the gloves: rubber, butyl rubber, nitril rubber; choice of the appropriate gloves depends not only on the material, but also on the quality, which may vary according to individual manufacturers; the product consists of several substances, therefore cannot accurately determine glove life, it is therefore necessary to examine it before using.

Penetration times: 4-8 hours; get acquainted with the penetration times by the manufacturer and follow these.

Strength of the glove material: 0,11 mm

Eye protection: use safety goggles to prevent splashing into eyes and prevent intrusion mists, gasses and dust in the eye, which is expected the risk.

Skin protection: working antistatic clothing made of natural minerals or plastic materials resistant to high temperatures

Other information's: do not eat, drink or smoke at work; wash hands with soap and water before breaks and after work; avoid contact with eyes skin; avoid inhaling dust; observe the usual precautions for handling chemicals

Environmental exposure controls; prevent penetration into soils, drains, surface and groundwater.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance (at 20 °c): Liquid (paste)

Colour: Grey

Odour: mineral oily

Odour threshold: not determined

pH value (at 20 °C): not applicable

Melting point/range (°C): not applicable

Boiling point/range (°C): not applicable

Flash point (°C): not applicable

Evaporation rate: not determined

Flammability: not determined

Flammability/exposure limits:

- Upper (% vol.): not applicable
 - Lower (% vol.): not applicable
- Vapour pressure (at 20°C): not applicable

Vapour density: not applicable

Density (at 20°C): ca 1,5 g.cm-3

Relative density (at 20 °C): not determined

Solubility (at 20°C) :

- In water: insoluble
 - In fats: any data are available
- Partition coefficient: n-octanol/water: not determined

Auto-ignition: product is not self igniting

Decomposition temperature: not determined

Viscosity (at 20°C):

- Dynamic: not determined
 - Kinematic: not determined
- Explosive properties: product is not explosive

Oxidising properties: product is not oxidising

9.2 Other information:

Content of organic solvents (having a boiling point <250°C): 0%

Other information: any relevant information not available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stabil by usual conditions

10.2 Chemical stability

Stabil by usual conditions

10.3 Possibility of hazardous reactions:

Any dangerous reactions are known

10.4 Conditions to avoid:

Any conditions are known

10.5 Incompatible materials:

Any materials are known

10.6 Hazardous decomposition products:

Any hazardous decomposition products are known

SECTION 11: Toxicological Information**11.1 Information on toxicological effects:**

Acute toxicity information's: there are any relevant information's

- LD50 oral, rat (mg.kg-1): not determined
- LD50 dermal, rat or rabbit (mg.kg-1): not determined
- LD50 inhalation, rat, aerosols or particles (mg.l-1): not determined
- LD50 inhalation, rat, gasses and fumes (mg.l-1): not determined

Acute toxicity: unknown

Irritation:

- skin: any irritation
- eyes: any irritation

Corrosivity:

- skin: any corrosivity
- eyes: any corrosivity

Sensation: not sensitizing

Carcinogenity: unknown

Mutagenity: unknown

Toxicity for reproduction: unknown

Repeated dose toxicity: unknown

Symptoms:

- Inhalation: any irrelevant information are available
- Contact with skin: any relevant information's are available
- Contact with eyes: any relevant information's are available
- Ingestion: any relevant information's available

Other information's: product shows any hazardous effects according to our experience and the information available by the proper handling and recommended use.

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity for aquatic organisms information: any relevant information is available

-LC50 96 hr., fish (mg.1-1): not determined

-EC50, 48 hr., daphnia (mg.1-1): not determined

-LC50, 72 hr., algae (mg.1-1): not determined

12.2 Persistence and degradability

There is any relevant information available

12.3 Bioaccumulative potential:

There is any relevant information available

12.4 Mobility in soil:

There is any relevant information available

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: not applicable

12.6 Other adverse effects:

There is any relevant information available

Other Ecological dates:

Do not allow undiluted or large quantities into drains, ground and surface waters.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Basic information: **Not be disposed of with household waste!**

Not to be drained into sewers!

Disposal methods of the substance/mixture and contaminated packaging: waste producer is obliged to dispose product residue, contaminated materials, contaminated empty disposable packaging in accordance with the national legislation

EWC-Code:

Product residue – 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Contaminated packaging – 15 01 02 plastic packaging

Other information's: none

SECTION 14: Transport Information

14.1 UN Number:

Product is not regulated like as dangerous goods.

14.2 UN proper shipping name:

By road/rail ADR/RID: not regulated like as dangerous goods

By sea IMDG: not regulated like as dangerous goods

Air transport IATA: not regulated like as dangerous goods

14.3 Transport hazard class(es):

Product is not regulated like as dangerous goods.

14.4 Packing group:

Product is not regulated like as dangerous goods.

14.5 Environmental hazards:

None

14.6 Special precautions for user:

None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU legislation:

Regulation (EC) No. 1272/2008 (CLP)

Directive 94/33/EC on the protection of young people at work

Directive 92/85/EEC on the safety and health at work of pregnant workers

Commission Decision 2000/532/EC

France legislation: unknown – to be completed

15.2 Chemical safety assessment:

A chemical safety assessment is not required for this substance.

SECTION 16: Other information

16:1 Legend to abbreviations and acronyms used in the safety data sheet:

Full text of R-phrases: none

Full text on H-Statements: none

Abbreviations and acronyms:

Hazard class and category codes: none

Classification codes: none

Other abbreviations:

PEL – Maximum allowable exposure limits (long term)

NPK-P Maximum allowable concentrations (short term)

PELc – Maximum allowable dust exposure limits (with mostly non-specific effect)

PELr – Maximum allowable dust exposure limits (with fibrogenic effect)

PELs – Maximum overall allowable dust exposure limits (mixture of dust)

PBT – Persistent, Bioaccumulative and Toxic

vPvB – very persistent and very bioaccumulative

RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (regulations concerning the international transport of dangerous goods by rail)

ICAO: International Civil Aviation Organization

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European agreement concerning the international carriage of dangerous goods by road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LD50: Medium Lethal Concentration (concentration of the substance, at which ½ the tested individuals die)

EC50: Medium Effect Concentration (concentration of the substance at which ½ the tested individuals will immobilize)

IC50: Medium Inhibition Concentration (concentration of the substance involving a 50% reduction growth or algae growth rate)

EWC: European Waste Catalogue and Hazardous Waste List

16.2 Instructions for training;

No special Instructions

16.3 Other dates:

This safety data sheet was based on the manufacturer's documentation and the basis of information provided by the manufacturers of the components used, as well as documents found in the literature. It contains data necessary for ensuring safety and health at labour and environmental protection. These data correspond to the current state of knowledge and experience and are in compliance with applicable laws and regulations.

They cannot be considered a guarantee of suitability for a particular product application.

Opmerkingen

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Het recht om veranderingen aan te brengen, die een technische vooruitgang betekenen, behouden wij ons voor. Adviezen van onze medewerkers, die buiten het kader van deze technische fiche vallen, moeten schriftelijk worden bevestigd.