

**MATERIAL SAFETY DATA SHEET**

R. (CE) n° 1272/2008 amending

Annex II Regulation (CE) 1907-2006

**DIATOMYL P00 – DIATOMYL P0**  
**DIATOMYL P2 – DIATOMYL P4**  
**DIATOMYL P5 – DIATOMYL P6**

Date: 22/05/2015

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Ind. Rev.: 13

**1 – IDENTIFICATION**

1.1 Identification of the substance or preparation: **DIATOMYL P00, P0, P2, P4, P5, P6**

1.2 Use of the substance/preparation: Diatomaceous earth. Filtration aids.

1.3 Company/Undertaking identification: LAFFORT - CS61611 - 33 072 BORDEAUX CEDEX - FRANCE  
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1.4 Emergency telephone: Check with your local hospital (anti-poison department).

**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.

The crystalline silica maybe considered as harmful by inhalation.

Concerning Diatomyl P00, P0, P2, P4, P5 and P6, the European Association of the Producers of Minerals which made out a will to them according to the methodology SWeRF (Size Weighted Respirable Fraction) concludes on the absence of harmfulness of these lands calcined diatomées.

IARC classified the silica crystalline as carcinogenic for the man.

The crystalline silica is known to be the cause of the silicosis, the not cancerous disease of lungs.

**3 – COMPOSITION/INFORMATION ON INGREDIENTS**

Product : Diatomaceous earth

	P00 – P0 – P2	P4 – P5 – P6
N°CAS	68855-54-9	91053-39-3
N° EINECS	272-489-0	293-303-4
REACH Number :	01-2119488518-22-xxxx	exempt
Concentration	100%	100%

Hazardous components : this product is not dangerous but contains dangerous components.

	Cristobalite
N°CAS	14464-46-1
N° EINECS	238-455-4
Concentration	This product contains less than 1 % of cristobalite alveolar; STOT RE1 cristobalite alveolar being classified as.

**4 – FIRST AID MEASURES**

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. 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, CO<sub>2</sub>, 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. No dangerous thermal decomposition.

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: 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.

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.

Components	Breathable limit
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Cristobalite	0,05 mg/m <sup>3</sup>
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Inorganic dusts	5 mg/m <sup>3</sup> Breathable dusts
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Respiratory Protection: Wear protective mask (P3 filter – EN143) in little ventilated zones

Protection of hands: Use protective gloves.

Eye protection: Wear safety glasses with lateral protection.

Skin Protection: Wear protective clothes.

Exposure limit (ACGIH): None.

**9 – PHYSICAL AND CHEMICAL PROPERTIES**

Physical state: powder.

Color: white to pink.

Smell: odourless. Light smell of earth

State change specific temperature: not applicable

Flash point: not applicable

Explosion danger: not applicable

pH (100g/l) (at 20°C max.): not applicable

Real density (g/cm<sup>3</sup>): 2,3 – 2,4

Solubility in water: Insoluble

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, oral: > 2000 mg/kg

DL50 dermique: not applicable

CL50 rat, inhalation: > 2,6 mg/L

Skin corrosion/irritation: According to the available experimental studies: not irritating. Dust in high concentrations may irritate the respiratory system. Prolonged contact may cause dryness of the skin.

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Eye damage/irritation: According to the available experimental studies: not irritating. Particles in the eyes may cause irritation and smarting.

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

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

Chronic toxicity: This product contains crystalline silica (CS). A prolonged exposure to breathable CS can cause irreversible effects on lungs (silicosis). The International Research Agency on Cancer (IARC) has classified the CS carcinogenic for man. Maintain the exposure below the limit of breathable dust (see § 8).

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## 12 – ECOLOGICAL INFORMATION

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

The product does not present toxicity for the aquatic environment

The product is not biodegradable and does not present bio-accumulation effect.

The product is not soluble in water.

Not Classified as PBT/vPvB by current EU criteria.

Do not flush in rain water collection containers.

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## 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.

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## 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.

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## 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.

No limitations according to the appendix XVII of REACH. Does not contain substance candidate REACH.

Comply with any provision of national law in force.

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## 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».*

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