

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
Trade name : DIATOMYL® R  
Product group : Trade product  
Other means of identification :

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : For professional users only  
Use of the substance/mixture : Filtration aids.  
Use of the substance/mixture : For œnological use

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

LAFFORT FRANCE SAS  
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FRANCE  
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#### Distributor

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20100 RENTERIA (Guipúzcoa)  
ESPAÑA  
T 0034943344068 - F 0034943344281  
[info@laffort.com](mailto:info@laffort.com) - [www.laffort.com](http://www.laffort.com)

### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre The Children's Hospital at Westmead	Locked Bag 4001 NSW 2145	13 11 26	

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Country	Organisation/Company	Address	Emergency number	Comment
Canada	Ontario Poison Centre (OPC)	The Hospital for Sick Children 555 University Avenue ON M5G 1X8 Toronto	1-800-268-9017 (416) 813-5900	
Canada	BC Drug and Poison Information Centre (DPIC)	655 West 12th Avenue BC V5Z 4R4 Vancouver	1-800-567-8911 (604) 682-5050	
China	National Poison Control Center	Chinese Center for Disease Control and Prevention Nanwei road, No.29 100050 Beijing	+86 10 831 32 046	
Croatia	Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada	Ksaverska Cesta 2 p.p. 291 10000 Zagreb	+385 1 234 8342	Information available 24/7 in Croatian and English
Czech Republic	Toxikologické informační středisko Klinika pracovního lékařství VFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Denmark	Giftlinjen	Bispebjerg Bakke 23 Opgang 20 C 2400 København NV	+45 82 12 12 12	
Georgia	National Toxicology Information Advisory Center	Tbilisi State Medical University Department of Toxicology - 7 Asatiani St. 380 077 Tbilisi	+995 99 533320	
Greece	Poisons Information Centre Children's Hospital P&A Kyriakou	11762 Athens	+30 2 10 779 3777	
Hungary	Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat	Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest	+36 80 20 11 99	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096	+972 4 854 1900	
Japan	Japan Poison Information Center	Tsukuba Medical Center 1-1-1 Amakubo 305-0005 Tsukuba City, Ibaraki	+81-29-856-3566 +81-72-727-2499	
Jordan	National Drug & Poison Information Center of Jordan		0798506755 00962-6-5353444	
Kazakhstan	Republican Toxicology Center	Tole-bi 93 480083 Almaty	+7 3272 925 868	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
New Zealand	National Poisons Centre	Dunedin School of Medicine, University of Otago PO Box 913 9054 Dunedin	0800 764 766 +56 2 2 247 3600	
Poland	National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)	ul. Teresy 8 P.O. BOX 199 90950 Łódź	+48 42 63 14 724	
Romania	Department of Clinical Toxicology Spitalul de Urgenta Floreasca	Calea Floreasca Bucuresti	+40 21 230 8000	

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Country	Organisation/Company	Address	Emergency number	Comment
Russia	Информационно-консультативный центр по токсикологии (RTIAC) Министерство здравоохранения Российской Федерации	3 Сухаревская Площадь Блок 7 129090 г. Москва	+7 495 628 1687 (только на русском)	
Serbia	Nacionalni centar za kontrolu trovanja - VMA	Crnotravska 17 11000 Beograd	+381 11 360 84 40	
Slovenia	Center za klinično toksikologijo in farmakologijo Interna klinika, UKCL	Zaloška 7 1000 Ljubljana	+386 522 52 83	
South Africa	Tygerberg Poison Information Centre	Division of Clinical Pharmacology Faculty of Medicine and Health Sciences Stellenbosch University - PO Box 241 8 000 Cape Town	0861 555 777 +56 2 2 247 3600	
Sweden	Giftinformationscentralen	Solna Strandväg 21 171 54 Solna	112 – begär Giftinformation	
Turkey	Ulusal Zehir Merkezi (UZEM) Refik Saydam Hıfzısıhha Merkezi Başkanlığı	Cemal Gürsel Cd. No: 18 Sıhhiye Çankaya 06590 Ankara	114	Information is provided to public and medical personnel on poisoning incidents via 114.
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals
United States of America	American Association of Poison Control Centers	515 King St., Suite 510 VA 22314 Alexandria	1-800-222-1222 +56 2 2 247 3600	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

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### Adverse physicochemical, human health and environmental effects

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008. Depending on the type of handling and use (e.g. grinding, drying), airborne respirable crystalline silica may be generated. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis.

Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica dust should be monitored and controlled.

Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.

### 2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

No labelling applicable

### 2.3. Other hazards

Other hazards which do not result in classification : Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with. Handle carefully. Avoid dust formation.

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

Other information : The product does not meet the PBT and vPvB classification criteria.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Perlite (expanded) substance with a Community workplace exposure limit	CAS-No.: 93763-70-3 EC-No.: 603-442-8	50 – 80	Not classified

Comments : This product contains less than 1 % crystalline silica (fine fraction) consisting of cristobalite (fine fraction) and quartz (fine fraction).

Cristobalite: CAS-No.: 14464-46-1 EC No.: 238-455-4

Quartz: CAS-No.: 14808-60-7 EC No.: 238-878-4

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice and that precautions are taken to avoid the inhalation of dust. If symptoms persist call a doctor.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a physician.

First-aid measures after skin contact : After contact with skin, wash immediately and thoroughly with water and soap. Apply emollient cream. If symptoms persist, call a physician.

First-aid measures after eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not give anything to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : More detailed information: See section 11.  
Symptoms/effects after inhalation : Long-term exposure at high concentration may cause : Irritation: may cause irritation to the respiratory system.  
Symptoms/effects after skin contact : None under normal conditions. Repeated or prolonged skin contact may cause dermatitis and defatting.  
Symptoms/effects after eye contact : Dust from this product may cause eye irritation.  
Symptoms/effects after ingestion : None under normal conditions. In high concentrations : Gastrointestinal complaints.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : If there is a fire close by, use suitable extinguishing agents. carbon dioxide (CO<sub>2</sub>), powder, alcohol-resistant foam, water spray. Not easily combustible.  
Unsuitable extinguishing media : Do not use water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Non combustible. In case of fire and/or explosion do not breathe fumes.  
Explosion hazard : Avoid raising powdered material due to explosion hazard.  
Hazardous decomposition products in case of fire : Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous vapours may be released. Carbon oxides (CO, CO<sub>2</sub>).

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.  
Other information : Do not contaminate ground and surface water. Dispose in a safe manner in accordance with local/national regulations. If spilled, may cause the floor to be slippery.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not handle until all safety precautions have been read and understood. Evacuate personnel to a safe area.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. Do not touch or walk on the spilled product. Avoid contact with skin and eyes.  
Measures in case of dust release : Avoid dust formation.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Do not flush into surface water or sewer system. Notify authorities if product enters sewers or public waters.

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### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Dust deposited may be vacuum cleaned or the area hosed down with water. Mechanically recover the product. Avoid raising powdered materials into airborne dust. Contain leaking substance, pump over in suitable containers. Clean contaminated surfaces with an excess of water. Shovel into suitable and closed container for disposal. If spilled, may cause the floor to be slippery.
- Other information : Dispose of materials or solid residues at an authorized site. Do not allow to enter drains or water courses.

### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : If spilled, may cause the floor to be slippery.
- Precautions for safe handling : Avoid dust formation. Ensure good ventilation of the work station. Local exhaust is recommended where dust may occur. Where excessive dust may result, use approved respiratory protection equipment. Avoid contact with skin and eyes. Wear recommended personal protective equipment. Store tightly closed in a dry and cool place.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep only in the original container.
- Storage conditions : Store tightly closed in a dry and cool place. Keep in a well-ventilated room. Store away from heat/moisture. Keep out of direct sunlight. Keep container tightly closed to prevent moisture pick-up. Handle all packages and containers carefully to minimise spills.
- Incompatible products : None to our knowledge.
- Incompatible materials : None to our knowledge.

### 7.3. Specific end use(s)

For œnological use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

DIATOMYL® R	
France - Occupational Exposure Limits	
Local name	Poussières totales (locaux à pollution spécifique)
VME (OEL TWA)	4 mg/m <sup>3</sup> 0,9 mg/m <sup>3</sup>
Remark	Valeurs règlementaires contraignantes
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2021-1763)
Perlite (expanded) (93763-70-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Silica cristalline (Quartz)

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<b>Perlite (expanded) (93763-70-3)</b>	
IOEL TWA	0,05 mg/m <sup>3</sup> (respirable dust)
Remark	(Year of adoption 2003) (Year of adoption 2003)
Quartz (respirable dust)	0.1 mg/m <sup>3</sup>
Dust, inorganic (inhalable dust)	5 mg/m <sup>3</sup>
Regulatory reference	SCOEL Recommendations SCOEL Recommendations
<b>France - Occupational Exposure Limits</b>	
Local name	Poussières totales (locaux à pollution spécifique)
VME (OEL TWA)	4 mg/m <sup>3</sup> 0,9 mg/m <sup>3</sup>
Remark	Valeurs réglementaires contraignantes
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2021-1763)
<b>Spain - Occupational Exposure Limits</b>	
Local name	Sílice Cristalina: Cristobalita
VLA-ED (OEL TWA) [1]	0,05 mg/m <sup>3</sup> Fracción respirable
Remark	v (Agente cancerígeno con valor límite vinculante recogido en el anexo III del Real Decreto 665/1997 y en sus modificaciones posteriores), d (Véase UNE EN 481: Atmósferas en los puestos de trabajo. Definición de las fracciones por el tamaño de las partículas para la medición de aerosoles), y (Reclasificado, por la International Agency for Research on Cancer (IARC) de grupo 2A (probablemente carcinogénico en humanos) a grupo 1 (carcinogénico en humanos)).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT

### Exposure limit values for the other components

<b>Powdered cellulose - E 460 (ii) (9004-34-6)</b>		
<b>France - Occupational Exposure Limits</b>		
Local name	Cellulose (fibre de papier)	
VME (OEL TWA)	10 mg/m <sup>3</sup>	
Remark	Valeurs recommandées/admises	
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)	
<b>Spain - Occupational Exposure Limits</b>		
Local name	Celulosa	
VLA-ED (OEL TWA) [1]	10 mg/m <sup>3</sup>	
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2023. INSHT	
<b>United Kingdom - Occupational Exposure Limits</b>		
WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup>	
WEL STEL (OEL STEL)	20 mg/m <sup>3</sup>	
Remark	Criterion T1	

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<b>Powdered cellulose - E 460 (ii) (9004-34-6)</b>		
<b>Switzerland - Occupational Exposure Limits</b>		
MAK (OEL TWA) [1]	3 mg/m <sup>3</sup>	
<b>USA - ACGIH - Occupational Exposure Limits</b>		
ACGIH OEL TWA	10 mg/m <sup>3</sup>	
<b>Calcined diatomaceous earth (91053-39-3)</b>		
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>		
Local name	Silica cristalline	
Remark	(Year of adoption 2003) (Year of adoption 2003)	
Cristobalite (respirable dust)	0,05 mg/m <sup>3</sup>	
Quartz (respirable dust)	0.1 mg/m <sup>3</sup>	
Dust, inorganic (inhalable dust)	5 mg/m <sup>3</sup>	
Regulatory reference	SCOEL Recommendations SCOEL Recommendations	
<b>France - Occupational Exposure Limits</b>		
VME (OEL TWA)	4 mg/m <sup>3</sup> 0,9 mg/m <sup>3</sup>	
Remark	Valeurs réglementaires contraignantes	
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2021-1763)	
<b>Spain - Occupational Exposure Limits</b>		
Local name	Sílice Cristalina: Cristobalita	
VLA-ED (OEL TWA) [1]	0,05 mg/m <sup>3</sup> Fracción respirable	
Remark	v (Agente cancerígeno con valor límite vinculante recogido en el anexo III del Real Decreto 665/1997 y en sus modificaciones posteriores), d (Véase UNE EN 481: Atmósferas en los puestos de trabajo. Definición de las fracciones por el tamaño de las partículas para la medición de aerosoles), y (Reclasificado, por la International Agency for Research on Cancer (IARC) de grupo 2A (probablemente carcinogénico en humanos) a grupo 1 (carcinogénico en humanos)).	
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT	

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

Additional information

: :



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### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station. Avoid dust formation. Avoid raising powdered materials into airborne dust. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Ensure the ventilation system is regularly maintained and tested. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Remove contaminated clothing.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Refer to protective measures listed in Sections 7 and 8.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

No special eye protection equipment recommended under normal conditions of use. Where excessive dust may result, wear goggles. Use splash goggles when eye contact due to splashing is possible

Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses, Face shield	Dust		EN 166

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing. Long sleeved protective clothing

Skin and body protection	
Type	Standard
Chemically resistant protective gloves	EN 374

##### Hand protection:

In case of contact with the skin : Wear protective gloves.

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Polyvinylchloride (PVC), Natural rubber				EN ISO 374

##### Other skin protection

##### Materials for protective clothing:

No special protection required. Wear suitable protective clothing. Long sleeved protective clothing. Antistatic clothing. EN 340. EN 1149. Rinse hands well after use or, especially in case of delicate skin, wear gloves

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### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Perform risk assessment prior to use. Use engineering controls to keep exposures below the OEL or DNEL. Where excessive dust may result, use approved respiratory protection equipment. Wear suitable respiratory equipment in case of insufficient ventilation. Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material. EN 149. Wear a half mask respirator with type P2L filter or better. Users of breathing apparatus must be trained

Respiratory protection			
Device	Filter type	Condition	Standard
Dust mask	Type P2		

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Do not allow into drains or water courses. Avoid release to the environment. Avoid discharge to atmosphere.

#### Consumer exposure controls:

The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterisation is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures. Do not exceed the occupational exposure limits (OEL).

#### Other information:

Do not eat, drink or smoke during work. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Repeated or prolonged skin contact may cause dermatitis and defatting. Apply emollient cream.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: White to off-white.
Appearance	: Powder. Granulate.
Odour	: odourless.
Odour threshold	: Not applicable. Not applicable.
Melting point	: > 1200 °C A1 / EU
Freezing point	: Not available
Boiling point	: Not applicable.
Flammability	: Not classified as flammable by EC criteria Non flammable.
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing. Not oxidising.
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable.
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: Not applicable.
pH	: Not available
pH solution	: ≈ 6,5 10%
Viscosity, kinematic	: Not applicable.
Viscosity, dynamic	: Not applicable.
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not applicable.
Partition coefficient n-octanol/water (Log Pow)	: Not applicable.
Vapour pressure	: Not applicable.

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Vapour pressure at 50°C	: Not applicable.
Density	: Not available
Relative density	: 2 (OECD 109 method)
Relative vapour density at 20°C	: Not applicable.
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Moisture.

### 10.5. Incompatible materials

Oxidation agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: No harmful effects expected in amounts likely to be ingested by accident. No acute or long term effects were seen in animal studies following oral exposure. (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: No acute effects were seen in an animal study following acute dermal exposure. . Repeated or prolonged skin contact may cause dermatitis and defatting (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: May cause irritation to the respiratory tract (Based on available data, the classification criteria are not met)

Perlite (expanded) (93763-70-3)	
LD50 oral rat	> 10000 mg/kg (OECD 420 method)

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Skin corrosion/irritation	: Repeated or prolonged skin contact may cause dermatitis and defatting (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: May be slightly irritating to skin and eyes (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Did not cause sensitisation. No sensitizing reaction was observed for guinea pigs. (OECD 429 method) (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Mutagenicity tests are negative. (OECD 471 method). (OECD 473 method). (OECD 476 method) (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica. In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However it pointed out that not all industrial circumstances, nor all crystalline silica types, were to be incriminated. (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In 2009, in the Monographs 100 series, IARC confirmed its classification of Silica Dust, Crystalline, in the form of Quartz and Cristobalite (IARC Monographs, Volume 100C, 2012). In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003). So there is a body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. Worker protection against silicosis should be assured by respecting the existing regulatory occupational exposure limits and implementing additional risk management measures where required. Health & Safety Executive: Detailed reviews of the scientific evidence on the health effects of crystalline silica have been published by HSE (Health and Safety Executive, UK) in the Hazard Assessment Documents EH75/4 (2002) and EH75/5 (2003). The HSE points out on its website that "Workers exposed to fine dust containing quartz are at risk of developing a chronic and possibly severely disabling lung disease known as "silicosis". " In addition to silicosis, there is now evidence that heavy and prolonged workplace exposure to dust containing crystalline silica can lead to an increased risk of lung cancer. The evidence suggests that an increased risk of lung cancer is likely to occur only in those workers who have developed silicosis. (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

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Viscosity, kinematic

Not applicable.

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Ecological problems are not known or expected under normal use. High concentration in water may cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met)

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### 12.2. Persistence and degradability

#### DIATOMYL® R

Persistence and degradability	Not biodegradable.
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#### Perlite (expanded) (93763-70-3)

Persistence and degradability	Not biodegradable.
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### 12.3. Bioaccumulative potential

#### DIATOMYL® R

Partition coefficient n-octanol/water (Log Pow)	Not applicable.
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Partition coefficient n-octanol/water (Log Kow)	Not applicable.
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Bioaccumulative potential	Not potentially bioaccumulable.
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#### Perlite (expanded) (93763-70-3)

Partition coefficient n-octanol/water (Log Pow)	Not applicable.
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Partition coefficient n-octanol/water (Log Kow)	Not applicable.
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Bioaccumulative potential	Not potentially bioaccumulable.
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### 12.4. Mobility in soil

#### DIATOMYL® R

Ecology - soil	Insoluble in water.
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#### Perlite (expanded) (93763-70-3)

Ecology - soil	Insoluble in water.
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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Other adverse effects : No other effects known, Do not allow to enter drains or water courses

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Do not flush into surface water or sewer system.
Product/Packaging disposal recommendations	: Empty remaining contents. Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

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### 14.1. UN number or ID number

UN-No. (ADR)	: Not regulated
UN-No. (IMDG)	: Not regulated
UN-No. (IATA)	: Not regulated
UN-No. (ADN)	: Not regulated
UN-No. (RID)	: Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not regulated
Proper Shipping Name (IMDG)	: Not regulated
Proper Shipping Name (IATA)	: Not regulated
Proper Shipping Name (ADN)	: Not regulated
Proper Shipping Name (RID)	: Not regulated

### 14.3. Transport hazard class(es)

<b>ADR</b>	
Transport hazard class(es) (ADR)	: Not regulated

<b>IMDG</b>	
Transport hazard class(es) (IMDG)	: Not regulated

<b>IATA</b>	
Transport hazard class(es) (IATA)	: Not regulated

<b>ADN</b>	
Transport hazard class(es) (ADN)	: Not regulated

<b>RID</b>	
Transport hazard class(es) (RID)	: Not regulated

### 14.4. Packing group

Packing group (ADR)	: Not regulated
Packing group (IMDG)	: Not regulated
Packing group (IATA)	: Not regulated
Packing group (ADN)	: Not regulated
Packing group (RID)	: Not regulated

### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

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### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK) : WGK nwg, Non-hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

##### Switzerland

Storage class (LK) : NG - Non-hazardous

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
3.2	Comments (below composition)	Added	
4.1	First-aid measures general	Added	
4.2	Symptoms/effects after inhalation	Modified	
4.2	Symptoms/effects after ingestion	Modified	
4.2	Symptoms/effects after eye contact	Added	
5.2	Fire hazard	Added	
6.1	General measures	Added	
6.2	Environmental precautions	Modified	
6.3	Methods for cleaning up	Modified	
7.1	Hygiene measures	Modified	
7.1	Additional hazards when processed	Added	

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Indication of changes			
Section	Changed item	Change	Comments
7.2	Heat and ignition sources	Removed	
7.2	Storage conditions	Modified	
7.2	Incompatible materials	Added	
7.2	Incompatible products	Added	
7.2	Storage conditions	Modified	
8.1	Acute toxicity (dermal) - comment	Modified	
8.2	Other information	Modified	
8.2	Eye protection	Modified	
8.2	Consumer exposure controls	Added	
11.1	Reason for no classification	Modified	
12.4	Ecology - soil	Added	
12.6	Other adverse effects	Added	
13	Regional legislation (waste)	Added	
13	Regional legislation (waste)	Added	

### Other information

: Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

A multi-sectoral social dialogue agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it was signed on 25 April 2006. This autonomous agreement, which receives the European Commission's financial support, is based on a Good Practices Guide. The requirements of the Agreement came into force on 25 October 2006. The Agreement was published in the Official Journal of the European Union (2006/C 279/02). The text of the Agreement and its annexes, including the Good Practices Guide, are available from <http://www.nepsi.eu> and provide useful information and guidance for the handling of products containing respirable crystalline silica. Literature references are available on request from EUROSIL, the European Association of Industrial Silica Producers.

Full text of H- and EUH-statements:	
EUH210	Safety data sheet available on request.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.