

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

1.1. Product identifier

Product form	: Mixture
Trade name	: OENOFINE® PINK
Type of product	: For œnological use
Product group	: Trade product

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	: For œnological use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

LAFFORT FRANCE SAS
P.O. Box CS 61611
33072 BORDEAUX CEDEX
FRANCE
T +33 (0)5 56 86 53 04 - F +33 (0)5 56 86 30 50
info@laffort.com - www.laffort.com

Distributor

LAFFORT SOUTH AFRICA
32 ZANDWYK PARK
7646 PAARL
SOUTH AFRICA
T +27 21 882 8106
info@laffort.com - www.laffort.com

Distributor

LAFFORT ITALIA
S.P. PER CASTELNUOVO SCRIVIA S.N.C.
15057 TORTONA AL
T +39 0131 863 608 - F +39 0131 821 305
laffortitalia@laffort.com - www.laffort.com

Distributor

LAFFORT CHILE
PARCELA 233, LOTE 2, COLONIA KENNEDY, SECTOR HOSPITAL
9540000 PAINE
CHILE
T +56 22 979 1590 - F +56 9 5201 7140
info@laffort.com - www.laffort.com

Distributor

LAFFORT ARGENTINA
PREDIO INDUSTRIAL, CALLE CASTRO BARROS 1330 CARRODILLA
AR- LUJAN DE CUYO – MENDOZA
ARGENTINA
T + 54 261 4962309 - F + 54 261 4964060
info@laffort.com - www.laffort.com

Distributor

LAFFORT USA
1460 CADER LANE SUITE C
CA 94954 PETALUMA
USA
T +1 (707) 775 4530
laffortusa@laffort.com - www.laffortusa.com

Distributor

LAFFORT NEW ZEALAND
4/B GREENWOODS CLOSE TITIRANGI
P.O. Box P.O. BOX 60-249
1000 AUCKLAND
NEW ZEALAND
T 64 (0) 21 322 290
info@laffort.com - www.laffort.com

Manufacturer

LAFFORT ESPAÑA S.A.
TXIRRITA MALEO 12 APTDO 246
20100 RENTERIA (Guipúzcoa)
ESPAÑA
T 0034943344068 - F 0034943344281
info@laffort.com - www.laffort.com

Distributor

LAFFORT AUSTRALIA
10 KALIMNA RD NURIOOTPA, 5355
SOUTH AUSTRALIA
AUSTRALIA
T (08) 8360 2200
info@laffort.com - www.laffort.com

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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	
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	

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Country	Organisation/Company	Address	Emergency number	Comment
Romania	Department of Clinical Toxicology Spitalul de Urgenta Floreasca	Calea Floreasca Bucuresti	+40 21 230 8000	
Russia	Информационно-консультативный центр по токсикологии (RTIAC) Министерство здравоохранения Российской Федерации	3 Сухареvская 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	

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

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.

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 : HSE MDHS101/2 - Crystalline silica in respirable airborne dusts. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

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

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]
Activated carbon substance with a Community workplace exposure limit	CAS-No.: 7440-44-0 EC-No.: 931-334-3 REACH-no: 01-2119488716-22	10 – 40	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 : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. 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. Wash skin with plenty of water.

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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. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). 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	: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Breathing crystalline silica dust for long periods can damage your lungs. Crystalline silica (cristobalite) is a known cause of silicosis, a progressive, sometimes fatal lung disease.

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 ₂), powder, alcohol-resistant foam, water spray. Water spray. Dry powder. Foam.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Nitrogen oxides.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ensure adequate air ventilation.
6.1.1. For non-emergency personnel	
Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Evacuate area. Avoid contact with skin, eyes and clothing. Avoid breathing dust.
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

Avoid release to the environment. 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 : Mechanically recover the product. Dust deposited may be vacuum cleaned or the area hosed down with water. Contain leaking substance, pump over in suitable containers. Clean contaminated surfaces with an excess of water. Minimise generation of dust.
- Other information : Do not allow to enter drains or water courses. Dispose of materials or solid residues at an authorized site.

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

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid dust formation. Local exhaust is recommended where dust may occur. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes. Handling this product may result in electrostatic accumulation. Use proper grounding procedures.
- Hygiene measures : Remove contaminated clothes. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Store in original container.
- Storage conditions : Store in a dry, cool place. Keep out of direct sunlight. Keep in a well-ventilated room. Keep container tightly closed to prevent moisture pick-up. Store in a well-ventilated place. Keep cool.
- Incompatible products : Odour agents. Strong acids, strong oxidants.
- Heat and ignition sources : Keep away from ignition sources (including static discharges).

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

OENOFINE® PINK	
France - Occupational Exposure Limits	
Local name	Poussières totales (locaux à pollution spécifique)
VME (OEL TWA)	4 mg/m ³ 0,9 mg/m ³
Remark	Valeurs réglementaires contraignantes
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2021-1763)
Activated carbon (7440-44-0)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Silica cristalline (Quartz)
IOEL TWA	0,05 mg/m ³ (respirable dust)
Remark	(Year of adoption 2003)
Regulatory reference	SCOEL Recommendations

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Activated carbon (7440-44-0)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	10 mg/m ³ Inhalable dusts
Belgium - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ Inhalable dusts
OEL STEL	3 mg/m ³ Breathable dust
France - Occupational Exposure Limits	
Local name	Poussières totales (locaux à pollution spécifique)
VME (OEL TWA)	4 mg/m ³ 0,9 mg/m ³
VLE (OEL C/STEL)	10 mg/m ³ Inhalable dusts
Remark	Valeurs réglementaires contraignantes
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2021-1763)
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA) [1]	10 mg/m ³ Inhalable dusts
Ireland - Occupational Exposure Limits	
OEL TWA [1]	10 mg/m ³ Breathable dust
OEL STEL	4 mg/m ³ Inhalable dusts
Italy - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ Inhalable dusts
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	3,5 mg/m ³ Inhalable dusts
Spain - Occupational Exposure Limits	
Local name	Sílice Cristalina: Cuarzo
VLA-ED (OEL TWA) [1]	10 mg/m ³ Inhalable dusts
VLA-EC (OEL STEL)	4 mg/m ³ Breathable dust
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
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	10 mg/m ³ Inhalable dusts
KTV (OEL STEL)	5 mg/m ³ Breathable dust
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	10 mg/m ³ Breathable dust
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 mg/m ³ Inhalable dusts

Exposure limit values for the other components

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Montmorillonite (1302-78-9)		
France - Occupational Exposure Limits		
Local name	Poussières totales (locaux à pollution spécifique)	
VME (OEL TWA)	4 mg/m ³ 0,9 mg/m ³	
Remark	Valeurs réglementaires contraignantes	
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2021-1763)	
Crystalline Silica (14808-60-7)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Silica crystalline (Quartz)	
IOEL TWA	0,05 mg/m ³ (respirable dust)	
Remark	(Year of adoption 2003)	
Regulatory reference	SCOEL Recommendations	
France - Occupational Exposure Limits		
Local name	Poussières totales (locaux à pollution spécifique)	
VME (OEL TWA)	4 mg/m ³ 0,9 mg/m ³	
Remark	Valeurs réglementaires contraignantes	
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2021-1763)	
Spain - Occupational Exposure Limits		
Local name	Sílice Cristalina: Cuarzo	
VLA-ED (OEL TWA) [1]	0,05 mg/m ³ 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 2023. 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

No additional information available

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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:

Avoid dust formation. Ensure the ventilation system is regularly maintained and tested. Ensure good ventilation of the work station.

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. Safety glasses

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

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. Long sleeved protective clothing

Hand protection:

In case of excessive dust production. In case of repeated or prolonged contact wear gloves

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Nitrile rubber (NBR), Butyl rubber				EN ISO 374

Other skin protection

Materials for protective clothing:

Antistatic clothing. EN 340. EN 1149

8.2.2.3. Respiratory protection

Respiratory protection:

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

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.

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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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Grey.
Appearance	: Powder.
Odour	: Product (article) characteristics.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not applicable
Boiling point	: Not available
Flammability	: Non flammable.
Explosive properties	: Not explosive.
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: partly soluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not applicable
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.

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Keep away from strong oxidizers.

10.4. Conditions to avoid

Avoid dust formation. Heat. flames or sparks. 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. See Section 5.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: No data available, however by analogy, this product is considered to be slightly irritating to the skin (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. (Based on available data, the classification criteria are not met)

Activated carbon (7440-44-0)

LD50 oral rat	≥ 2000 mg/kg OCDE 423
LC50 Inhalation - Rat	≥ 8,5 mg/l 1h - OCDE 403

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: May cause eye-irritation of susceptible persons (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Did not cause sensitisation (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (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	: Not classified (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
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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)

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Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

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Persistence and degradability	Not relevant.
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Activated carbon (7440-44-0)

Persistence and degradability	Not biodegradable.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not relevant.
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Activated carbon (7440-44-0)

Bioaccumulative potential	There is no bioaccumulation. Not soluble in water alone.
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12.4. Mobility in soil

Activated carbon (7440-44-0)

Ecology - soil	practically insoluble.
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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
Additional information	: Do not allow to enter drains or water courses

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Avoid dust formation. Recycling is preferred to disposal or incineration. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Empty remaining contents. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

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

14.1. UN number or ID number

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

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UN-No. (RID) : Not applicable

14.2. UN proper shipping name

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

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

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

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 applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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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

Denmark

- Danish National Regulations : The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

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:

Revision - See : *.

Indication of changes			
Section	Changed item	Change	Comments
2.1	Adverse physicochemical, human health and environmental effects	Added	
4.1	First-aid measures general	Modified	
4.1	First-aid measures after skin contact	Modified	
4.2	Symptoms/effects after inhalation	Modified	
5.1	Suitable extinguishing media	Modified	
5.2	Explosion hazard	Added	
5.2	Hazardous decomposition products in case of fire	Modified	
5.3	Firefighting instructions	Added	
6.2	Environmental precautions	Added	
6.3	Other information	Added	
6.3	Methods for cleaning up	Modified	

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Indication of changes			
Section	Changed item	Change	Comments
7.1	Precautions for safe handling	Modified	
7.1	Hygiene measures	Modified	
8.1	Specific concentration limits (CLP)	Modified	
8.2	Appropriate engineering controls	Modified	
8.2	Materials for protective clothing	Modified	
8.2	Skin and body protection	Modified	
8.2	Respiratory protection	Modified	
8.2	Respiratory protection	Modified	
8.2	Appropriate engineering controls	Modified	
8.2	Materials for protective clothing	Modified	
8.2	Eye protection	Modified	
8.2	Skin and body protection	Modified	
8.2	Respiratory protection	Modified	
8.2	Respiratory protection	Modified	
10.6	Hazardous decomposition products	Added	
10.6	Hazardous decomposition products	Modified	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
12.	Reason for no classification	Added	
12.1	Ecology - general	Modified	
13.1	Product/Packaging disposal recommendations	Added	

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association

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Abbreviations and acronyms:	
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

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.