#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Issue date: 20/12/2017 Revision date: 05/03/2021 Supersedes version of: 20/12/2017 Version: 2.0

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

#### 1.1. Product identifier

Solutions for winemaking

Product form	: Substance
Trade name	: POTASSIUM PYROSULPHITE
Chemical name	: Potassium disulphite; Potassium pentaoxo disulphate
EC-No.	: 240-795-3
CAS-No.	: 16731-55-8
<b>REACH</b> registration No	: 01-2119537422-45
Formula	: K2S2O5
Synonyms	: Potassium pyrosulphite
Product group	: Trade product
Other means of identification	: E224

#### 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	: Preservative used for the sulfur dioxide brought.
Use of the substance/mixture	: For œnological use

#### 1.2.2. Uses advised against

Restrictions on use

: Food/feedstuff additives

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

Manufacturer LAMOTHE-ABIET Avenue Ferdinand de Lesseps ZA-ACTIPOLIS 33610 CANEJAN - FRANCE T +33557779292 - F +33556864002 contact@lamothe-abiet.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 Westmead	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	

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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 Haifa	+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	

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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	
Russia	Информационно- консультативный центр по токсикология (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 Heath 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 Belfast	0344 892 0111	

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United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111
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]

Serious eye damage/eye irritation, Category 1	H318
Specific target organ toxicity — Single exposure, Category 3,	H335
Respiratory tract irritation	
Full text of H statements : see section 16	

#### Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

#### 2.2. Label elements

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

Hazard pictograms (CLP)

Signal word (CLP) Hazard statements (CLP)



- : Danger
- : H318 Causes serious eye damage. H335 - May cause respiratory irritation.

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Precautionary statements (CLP)	<ul> <li>P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.</li> <li>P271 - Use only outdoors or in a well-ventilated area.</li> <li>P280 - Wear protective gloves, protective clothing, eye protection, face protection.</li> <li>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P312 - Call a doctor, a POISON CENTER if you feel unwell.</li> </ul>
EUH-statements	: EUH031 - Contact with acids liberates toxic gas.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients			
3.1. Substances			
Substance type	:	Mono-constituent	
Name	:	POTASSIUM PYROSULPHITE	
CAS-No.	:	16731-55-8	
EC-No.	:	240-795-3	
Name		Product identifier	%

Name	Product identifier	%
Potassium metabisulphite - E224	(CAS-No.) 16731-55-8	100
	(EC-No.) 240-795-3	
	(REACH-no) 01-2119537422-45	

#### 3.2. Mixtures

Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: 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. Immediately consult a doctor/medical service.
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.
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. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and et	fects, both acute and delayed

4.2. Wost important symptoms and effects, both acute and delayed			
Symptoms/effects : More detailed information: See section 11.			
Symptoms/effects after inhalation : May cause respiratory irritation.			
Symptoms/effects after eye contact : Eye irritation. Serious damage to eyes.			

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#### 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	: carbon dioxide (CO2), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	: Do not use water jet.
5.2. Special hazards arising from the su	bstance or mixture
Hazardous decomposition products in case	: Toxic fumes may be released. Sulphur oxides.
of fire	
5.3. Advice for firefighters	
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 me		
6.1. Personal precautions, protective equipment and emergency procedures		
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6.1.1. For non-emergency personnel		
Protective equipment	: Wear personal protective equipment.	
Emergency procedures	: Ventilate spillage area. 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.	
6.3. Methods and material for contai	nment and cleaning up	

Methods for cleaning up	: Mechanically recover the product. Contain leaking substance, pump over in
	suitable containers. Clean contaminated surfaces with an excess of water.
Other information	: 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.

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid dust formation. Store tightly closed in a dry and cool place. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includ	ing any incompatibilities

	0 /		
Technical measures		: Keep only in the original container.	
Storage conditions		: Keep container tightly closed to prevent moisture pick-up. Store in a dry, cool	
		place. Keep out of direct sunlight.	
Incompatible products		: Strong acids, strong oxidants.	

#### 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

Potassium metabisulphite - E224 (16731-55-8)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA [ppm]	≈ 0,5 ppm (SO2)	
IOEL STEL [ppm]	≈ 1 ppm (SO2)	
Notes SO2		
France - Occupational Exposure Limits		
Local name	Dioxyde de soufre (CAS: 7446-09-5)	
VME (OEL TWA)	≈ 5 mg/m³	
VME (OEL TWA) [ppm]	≈ 2 ppm	
VLE (OEL C/STEL)	≈ 10 mg/m³	
VLE (OEL C/STEL) [ppm]	≈ 5 ppm	
Note (FR)	Limite donnée à titre indicative	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL STEL [ppm]	0,25 ppm (SO2)	
Remark (ACGIH)	SO2	

#### 8.1.2. Recommended monitoring procedures

No additional information available

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#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 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.

#### 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:				
Safety glasses				
Туре	Field of application	Characteristics	Standard	
Safety glasses	Dust	With side shields	EN 166	

#### 8.2.2.2. Skin protection

Skin and body protection:		
Wear suitable protective clothing		
Туре	Standard	
Chemically resistant protective gloves	EN 374	

#### Hand protection:

Protective gloves. Protective gloves made of PVC. Butyl rubber gloves. Nitrile rubber gloves. Natural rubber

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Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.4		EN 420, EN ISO 374
Chemically resistant protective gloves	Chloroprene rubber (CR)	6 (> 480 minutes)	0.5		EN 420, EN ISO 374
Chemically resistant protective gloves	Butyl rubber	6 (> 480 minutes)	0.7		EN 420, EN ISO 374

Other skin protection	
Materials for protective clothing:	
acid resistant clothing	

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN 143

#### 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.

#### 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 cl	hemical properties	
Physical state	: Solid	
Colour	: white.	
Appearance	: Crystals. Powder.	
Odour	: characteristic.	
Odour threshold	: Not available	
Melting point	: Not available	
Freezing point	: Not applicable	
Boiling point	: Not available	
Flammability	: Non flammable.	
Explosive limits	: Not applicable	
Lower explosive limit (LEL)	: Not applicable	
Upper explosive limit (UEL)	: Not applicable	
Flash point	: Not applicable	

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Auto-ignition temperature	: Not applicable
Decomposition temperature	: > 150 °C 1.013 hPa
рН	: Not available
pH solution	: 3,5 – 4,5 5% - 20°C
Viscosity, kinematic	: Not applicable
Solubility	: Water: ≈ 450 g/l 20°C
Partition coefficient n-octanol/water (Log	: Not available
Kow)	
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: ≈ 0 (1,1 – 1,3) kg/m <sup>3</sup> 20°C
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.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Heat. flames or sparks. Moisture.

#### 10.5. Incompatible materials

Strong acids, strong oxidants.

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#### 10.6. Hazardous decomposition products

May liberate toxic gases. Thermal decomposition generates : Sulphur dioxide.

SECTION 11: Toxicological information		
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	

Potassium metabisulphite - E224 (16731-55-8)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal	> 2000 mg/kg
LC50 Inhalation - Rat	<ul> <li>&gt; 5,5 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 403</li> <li>(Acute Inhalation Toxicity)</li> </ul>

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Severe eye irritation
Additional information	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified

POTASSIUM PYROSULPHITE (16731-55-8)	
Viscosity, kinematic	Not applicable

: Not classified

#### 11.2. Information on other hazards

No additional information available

Aspiration hazard

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#### **SECTION 12: Ecological information**

#### 12.1. Toxicity

Hazardous to the aquatic environment,	:	Not classified
······································	-	

short-term (acute)

Hazardous to the aquatic environment, long- : Not classified

term (chronic)

Potassium metabisulphite - E224 (16731-55-8)	
LC50 - Fish [1]	464 – 1000 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	89 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	65 mg/l 17h - Bacteria
EC50 72h - Algae [1]	43,8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	> 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 316 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '34 d'
NOEC chronic algae	> 10 mg/l Daphnia magna

# 12.2. Persistence and degradability Potassium metabisulphite - E224 (16731-55-8) Persistence and degradability Mineral. Not biodegradable. Chemical oxygen demand (COD) 0,14 g O<sub>2</sub>/g substance

#### 12.3. Bioaccumulative potential

Potassium metabisulphite - E224 (16731-55-8)	
Partition coefficient n-octanol/water (Log Pow) ≈ -4	
Bioaccumulative potential	There is no bioaccumulation.

## 12.4. Mobility in soil Potassium metabisulphite - E224 (16731-55-8) Additional information Not volatile

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Endocrine disrupting properties

No additional information available

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#### 12.7. Other adverse effects

Other adverse effects

: Do not allow to enter drains or water courses

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
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

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)	
ADR	
Transport hazard class(es) (ADR)	: Not regulated
IMDG	
Transport hazard class(es) (IMDG)	: Not regulated
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not regulated
ADN	
Transport hazard class(es) (ADN)	: Not regulated
RID	
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

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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 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

No REACH Annex XVII restrictions

POTASSIUM PYROSULPHITE is not on the REACH Candidate List

POTASSIUM PYROSULPHITE is not on the REACH Annex XIV List

POTASSIUM PYROSULPHITE is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

POTASSIUM PYROSULPHITE is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

France	
Occupational diseases	
Code	Description
RG 66 Occupational rhinitis and asthma	

#### Germany

Water hazard class (WGK)	: WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No.
	2863)
Hazardous Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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#### Netherlands

SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed
NIET-limitatieve lijst van voor de	: The substance is not listed
voortplanting giftige stoffen – Borstvoeding	
NIET-limitatieve lijst van voor de	: The substance is not listed
voortplanting giftige stoffen –	
Vruchtbaarheid	
NIET-limitatieve lijst van voor de	: The substance is not listed
voortplanting giftige stoffen – Ontwikkeling	
Denmark	
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product

#### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information	
Indication of changes:	
Revision - See : *.	

Full text of H- and EUH-statements:	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
EUH031	Contact with acids liberates toxic gas.

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.