

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 8/4/2020 Version: 1.0

1.1. Product identifier		
Product form Substance name EC-No. CAS-No. Product code	: Substance : BLACK PEPPER OIL : 284-524-7 : 8006-82-4 : 9045	
1.2. Relevant identified uses of the	e substance or mixture and uses advised against	
1.2.1. Relevant identified uses         Main use category         1.2.2. Uses advised against	: Industrial use	
Restrictions on use	: Ultimate consumer use	
1.3. Details of the supplier of the s	safety data sheet	
Manufacturer/Supplier FROMA ESANS ve AROMA SANAYI TIO Orhangazi Mah.Isiso San. Sit. 5.Yol Sok. 34538 Esenyurt-Istanbul-TR kalite@froma.com.tr Further information obtainable from: Qua		
1.4. Emergency telephone numbe	r	
Emergency number (Mon - Fri, 08:30 - 18:30 GMT+3)	: +90 212 623 02 90	
SECTION 2: Hazards identifica	tion	
2.1. Classification of the substand	e or mixture	
Classification according to Regulation	(EC) No. 1272/2008 [CLP]	
Flammable liquids, Category 3	H226	
Skin corrosion/irritation, Category 2	H315	
Skin sensitisation, Category 1 Hazardous to the aquatic environment —	H317 Acute Hazard, Category 1 H400	
Hazardous to the aquatic environment —		
Full text of H statements : see section 16		
Adverse physicochemical, human hea	Ith and environmental effects	
	in irritation. May cause an allergic skin reaction. Very toxic to aquati	c life with long lasting effects.
2.2. Label elements		
Labelling according to Regulation (EC	) No. 1272/2008 [CLP]	
Hazard pictograms (CLP)		
	GHS02 GHS07 GHS09	
Signal word (CLP) Hazard statements (CLP)	<ul> <li>Warning</li> <li>H226 - Flammable liquid and vapour.</li> <li>H315 - Causes skin irritation.</li> <li>H317 - May cause an allergic skin reaction.</li> <li>H410 - Very toxic to aquatic life with long lasting effe</li> </ul>	ects
	H4TO - Very toxic to aquatic life with long lasting effe	5013.

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Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
	No smoking.
	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264 - Wash hands, forearms and face thoroughly after handling.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing
	protection.
	P321 - Specific treatment (see supplemental first aid instruction on this label).
	P391 - Collect spillage.

## 2.3. Other hazards

No additional information available

# **SECTION 3: Composition/information on ingredients**

### 3.1. Substances

Name	: Black Pepper Oil
CAS-No.	: 8006-82-4
EC-No.	: 284-524-7

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Pepper, black, oil	(CAS-No.) 8006-82-4 (EC-No.) 284-524-7	100	
beta-Caryophyllene	(CAS-No.) 87-44-5 (EC-No.) 201-746-1	≥ 10 – < 25	Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Chronic 4, H413
d-Limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7	≥ 10 – < 25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
delta-3-Carene	(CAS-No.) 13466-78-9 (EC-No.) 236-719-3	≥ 10 – < 25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
alpha-Pinene	(CAS-No.) 80-56-8 (EC-No.) 201-291-9	≥ 5 – < 10	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
beta-Pinene	(CAS-No.) 127-91-3 (EC-No.) 204-872-5	≥5-<10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Myrcene	(CAS-No.) 123-35-3 (EC-No.) 204-622-5	≥ 1 – < 2.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
IbetaBisabolene	(CAS-No.) 495-61-4	≥ 1 – < 2.5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
alpha-Bisabolene	(CAS-No.) 17627-44-0 (EC-No.) 241-610-9	≥ 1 – < 2.5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
p-Cymene	(CAS-No.) 99-87-6 (EC-No.) 202-796-7	≥ 0.1 – < 1	Flam. Liq. 3, H226 Repr. 2, H361 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Caryophyllene oxide	(CAS-No.) 1139-30-6 (EC-No.) 214-519-7	≥ 0.1 – < 1	Aquatic Chronic 2, H411
alpha-Phellandrene	(CAS-No.) 99-83-2 (EC-No.) 202-792-5	≥ 0.1 – < 1	Flam. Liq. 3, H226 Asp. Tox. 1, H304
beta-Farnesene	(CAS-No.) 18794-84-8 (EC-No.) 242-582-0	≥ 0.1 – < 1	Asp. Tox. 1, H304
Linalool	(CAS-No.) 78-70-6 (EC-No.) 201-134-4 (EC Index-No.) 603-235-00-2	≥ 0.1 – < 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin <mark>Sens. 1B, H317</mark>
p-Mentha-1,4-diene	(CAS-No.) 99-85-4 (EC-No.) 202-794-6	≥ 0.1 – < 1	Flam. Liq. 3, H226 Repr. 2, H361 Asp. Tox. 1, H304
4-Carvomenthenol	(CAS-No.) 562-74-3 (EC-No.) 209-235-5	≥ 0.1 – < 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
alpha-Terpineol	(CAS-No.) 98-55-5 (EC-No.) 202-680-6	≥ 0.1 – < 1	Skin Irrit. 2, H315 Eye I <mark>rrit. 2,</mark> H319
p-Mentha-1,3-diene	(CAS-No.) 99-86-5 (EC-No.) 202-795-1	≥ 0.1 – < 1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

3.2. Mixtures

Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	<ul> <li>Remove person to fresh air and keep comfortable for breathing. If the victim is unconscious</li> <li>Place the affected person in the recovery position. Allow affected person to breathe fresh air. If experiencing respiratory symptoms: Call a poison center or a doctor.</li> </ul>
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Wash off with soap and plenty of water.
First-aid measures after eye contact First-aid measures after ingestion	<ul> <li>In case of contact, immediately rinse eyes with plenty of water for at least 15 minutes.</li> <li>Call a poison center or a doctor if you feel unwell.</li> </ul>

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4.2. Most important symptoms and effects	, both acute and delayed
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
4.3. Indication of any immediate medical at	ttention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Dry powder. Carbon dioxide. For large fire: Water spray. Foam.</li><li>Strong water jet.</li></ul>
5.2. Special hazards arising from the subs	tance or mixture
Fire hazard Hazardous decomposition products in case of fire	<ul><li>Flammable liquid and vapour.</li><li>Toxic fumes may be released. fume.</li></ul>
5.3. Advice for firefighters	
Firefighting instructions Protection during firefighting	<ul> <li>Move containers away from the fire area if this can be done without risk. Keep upwind. Us water spray or fog for cooling exposed containers.</li> <li>Wear fire/flame resistant/retardant clothing. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul>
Other information	<ul><li>Evacuate unnecessary personnel.</li><li>Do not allow run-off from fire fighting to enter drains or water courses.</li></ul>

SECTION 6: Accidental release measures			
6.1. Personal precautions, protect	ctive equipment and emergency procedures		
6.1.1. For non-emergency personnel			
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.		
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".		
Emergency procedures	: Evacuate area.		
6.2. Environmental precautions			
Avoid release to the environment. Notify	v authorities if liquid enters sewers or public waters.		
6.3. Methods and material for co	ntainment and cleaning up		

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Ensure adequate ventilation.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

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SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling Hygiene measures	<ul> <li>Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Prevent aerosol formation or splashes.</li> <li>Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>	
7.2. Conditions for safe storage, includ	ing any incompatibilities	
Technical measures Storage conditions	<ul> <li>Ground/bond container and receiving equipment.</li> <li>Store in a well-ventilated place. Keep cool. Keep container tightly closed. Keep only in original container.</li> </ul>	

7.3. Specific end use(s)

No additional information available

# **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### No additional information available

#### **8.2. Exposure controls**

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protective equipment:

Gloves. Protective goggles.

#### Hand protection:

Chemically resistant protective gloves. Consult supplier for specific recommendations. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Breakthrough time : refer to the recommendations of the supplier

#### Eye protection:

tightly fitting safety goggles

#### Skin and body protection:

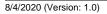
Wear suitable protective clothing

### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

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





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#### Environmental exposure controls:

Avoid release to the environment.

## Consumer exposure controls:

Do not eat, drink or smoke during use. Take off immediately all contaminated clothing. Always wash hands after handling the product. Avoid contact with skin and eyes.

Other information:

Keep away from food, drink and animal feedingstuffs.

# **SECTION 9: Physical and chemical properties**

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

Physical state Colour Odour Odour threshold pH Relative evaporation rate (butylacetate=1) Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapour pressure Relative vapour density at 20 °C Relative density	<ul> <li>Liquid</li> <li>No data available</li> <li>S4 °C</li> <li>No data available</li> </ul>
Relative vapour density at 20 °C	: No data available

### 9.2. Other information

No additional information available

No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
Flammable liquid and vapour.	
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	
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.	
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products	
Under normal conditions of storage and use, hazardous decomposition products should not be produced.	

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SECTION 11: Toxicological informat	ion	
11.1. Information on toxicological effect	5	(a)
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	<ul><li>Not classified</li><li>Not classified</li><li>Not classified</li></ul>	
4-Carvomenthenol (562-74-3)		
LD50 oral	1300 mg/kg bodyweight	
LD50 dermal	2500 mg/kg bodyweight	
ATE CLP (oral)	1300 mg/kg bodyweight	
ATE CLP (dermal)	2500 mg/kg bodyweight	
alpha-Pinene (80-56-8)		
LD50 oral	500 mg/kg bodyweight	
ATE CLP (oral)	500 mg/kg bodyweight	
	Soo mg/kg bodyweigin	
alpha-Terpineol (98-55-5)		
LD50 oral	4300 mg/kg bodyweight	
ATE CLP (oral)	4300 mg/kg bodyweight	
	L.	
delta-3-Carene (13466-78-9)		
LD50 oral	4800 mg/kg bodyweight	
LC50 inhalation rat (Dust/Mist - mg/l/4h)	1.5 mg/l/4h	
ATE CLP (oral)	4800 mg/kg bodyweight	
ATE CLP (gases)	4500 ppmv/4h	
ATE CLP (vapours)	11 mg/l/4h	
ATE CLP (dust,mist)	1.5 mg/l/4h	
Linalool (78-70-6)		
LD50 oral	2790 mg/kg bodyweight	
ATE CLP (oral)	2790 mg/kg bodyweight	
p-Cymene (99-87-6)		
LD50 oral	4750 mg/kg bodyweight	
ATE CLP (oral)	4750 mg/kg bodyweight	
p-Mentha-1,3-diene (99-86-5)		
LD50 oral	1680 mg/kg bodyweight	
ATE CLP (oral)	1680 mg/kg bodyweight	
p-Mentha-1,4-diene (99-85-4)		
LD50 oral	3850 mg/kg bodyweight	
ATE CLP (oral)	3850 mg/kg bodyweight	
Skin corrosion/irritation	: Causes skin irritation.	

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Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitisation	: May cause an allergic skin reaction.	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
STOT-single exposure	: Not classified	
STOT-repeated exposure	: Not classified	
Aspiration hazard	: Not classified	

## **SECTION 12: Ecological information**

12.1. Toxicity	
Ecology - general Hazardous to the aquatic environment, short-term (acute)	<ul><li>Very toxic to aquatic life with long lasting effects.</li><li>Very toxic to aquatic life.</li></ul>
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.
Not rapidly degradable Additional information	: Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Avoid release to the environment.

### 12.2. Persistence and degradability

No additional information available

 12.3. Bioaccumulative potential

 No additional information available

 12.4. Mobility in soil

 No additional information available

 12.5. Results of PBT and vPvB assessment

 No additional information available

 12.6. Other adverse effects

 No additional information available

# 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	: Prevent entry to sewers and public waters.
Product/Packaging disposal recommendations	: Do not dispose of with domestic waste.
Additional information	: Flammable vapours may accumulate in the container.

# **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN				
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
UN 1169	UN 1169	UN 1169	UN 1993	UN 1993

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	g name	· · · · · · · · · · · · · · · · · · ·		$\sim$
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID N.O.S.
Transport document descr	iption	· · · · · · · · · · · · · · · · · · ·		
UN 1169 FLAMMABLE LIQUID, N.O.S., 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1169 FLAMMABLE LIQUID, N.O.S., 3, III, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 1169 Flammable liquid, n.o.s., 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard	class(es)	II		
3	3	3	3	3
14.4. Packing group	1			
Ш	III	III	III	Ш
14.5. Environmental haz	zards			
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information	on available			
Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (A Vixed packing provisions (A Portable tank and bulk conta Portable tank and bulk conta (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriag Special provisions for carriag and handling (ADR) Special provisions for carriag Hazard identification number Orange plates	: 5I : E1 : PC ADR) : PF DR) : Mil iner instructions (ADR) : T4 iner special provisions : TF : LC : 52 : 4 : 4 : 52 : 52	4, 601 1 201, IBC03, LP01, R001 21 P19 4 21, TP29 GBF - 12 /13 2		
Tunnel restriction code (ADF <b>Transport by sea</b> Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) Special packing provisions (I	: 22 : 51 : E1 : LF	23, 274, 955 L I P01, P001		

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Tank instructions (IMDG)	: T4	
Tank special provisions (IMDG)	: TP1, TP29	
EmS-No. (Fire)	: F-E	
EmS-No. (Spillage)	: S-E	
Stowage category (IMDG)	: A	
Air transport		
PCA Excepted quantities (IATA)	: E1	
PCA Limited quantities (IATA)	: Y344	
PCA limited quantity max net quantity (IATA)	: 10L	
PCA packing instructions (IATA)	: 355	
PCA max net quantity (IATA)	: 60L	
CAO packing instructions (IATA)	: 366	
CAO max net quantity (IATA)	: 220L	
Special provisions (IATA)	: A3	
ERG code (IATA)	: 3L	
Inland waterway transport		
Classification code (ADN)	: F1	
Special provisions (ADN)	: 274, 601	
Limited quantities (ADN)	: 5L	
Excepted quantities (ADN)	: E1	
Carriage permitted (ADN)	: T	
Equipment required (ADN)	: PP, EX, A	
Ventilation (ADN)	: VE01	
Number of blue cones/lights (ADN)	: 0	
Rail transport		
Classification code (RID)	: F1	
Special provisions (RID)	: 274, 601	
Limited quantities (RID)	: 5L	
Excepted quantities (RID)	: E1	
Packing instructions (RID)	: P001, IBC03, LP01, R001	
Special packing provisions (RID)	: PP1	
Mixed packing provisions (RID)	: MP19	
Portable tank and bulk container instructions (RID)	: T4	
Portable tank and bulk container special provisions	: TP1, TP29	
(RID)		
Tank codes for RID tanks (RID)	: LGBF	
Transport category (RID)	: 3	
Special provisions for carriage – Packages (RID)	: W12	
Special provisions for carriage - Loading, unloading	: CW13, CW31	
and handling (RID)		
Colis express (express parcels) (RID)	: CE4	
Hazard identification number (RID)	: 30	

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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 Pepper, black, oil is not on the REACH Candidate List Pepper, black, oil is not on the REACH Annex XIV List Pepper, black, oil 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. Pepper, black, oil 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

No additional information available

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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

Abbreviations and acrony	yms:
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
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
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
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative
Data sources Training advice	<ul> <li>REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Supp safety documents. ECHA (European Chemicals Agency).</li> <li>Normal use of this product shall imply use in accordance with the instructions on the packaging.</li> </ul>

Training advice

#### Full text of H- and EUH-statements: Acute toxicity (inhal.), Category 4 Acute Tox. 4 (Inhalation) Acute Tox. 4 (Inhalation:dust,mist) Acute toxicity (inhalation:dust,mist) Category 4 Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4

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Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4	
Asp. Tox. 1	Aspiration hazard, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
Repr. 2	Reproductive toxicity, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1B	Skin sensitisation, category 1B	
H226	Flammable liquid and vapour.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H361	Suspected of damaging fertility or the unborn child.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
H413	May cause long lasting harmful effects to aquatic life.	

SDS EU (REACH Annex II)

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable