

according to Regulation (EC) No 1907/2006

VELIND Terpentinersatz

Revision date: 04.09.2019

Product code: 21232

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

1.1. Product identifier

VELIND Terpentinersatz

Further trade names

White Spirit

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

Use of the substance/mixture

Solvents, Washing and cleaning products

Uses advised against

No information available. Use(Usage) exclusively according to labelled intended purpose!

1.3. Details of the supplier of the safety data sheet

Company name:	VELIND Aerosol GmbH	
Street:	Passower Chaussee 111	
Place:	D-16303 Schwedt/O	
Telephone:	+49 33 32 / 4 50 88 - 0	Telefax: +49 33 32 / 4 50 88 - 30
e-mail:	info@velind.de	
Contact person:	Witt	Telephone: 18
e-mail:	qs@velind.de	
Internet:	www.velind.de	
Responsible Department:	QS	

1.4. Emergency telephone number:

GGIZ der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen: +49 3 61 / 7 30 73 -0

Further Information

Emergency - Phonecalls to +49 (0) 33 32 / 4 50 88 16
(during office-hours from 8.00 a.m. to 4.00 p.m.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3

Aspiration hazard: Asp. Tox. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Flammable liquid and vapour.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

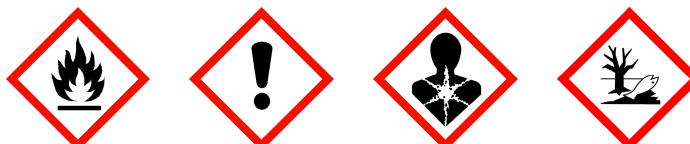
Regulation (EC) No. 1272/2008

Hazard components for labelling

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Signal word: Danger

Pictograms:



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Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P501	Dispose of the Contents/container of waste according to with local/national regulations applicable legislation.

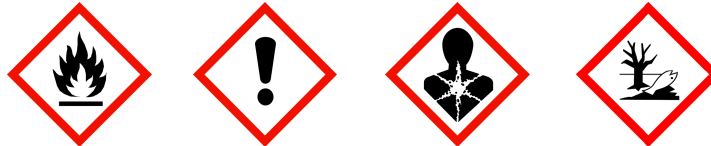
Special labelling of certain mixtures

EUH066	Repeated exposure may cause skin dryness or cracking.
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Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:



Hazard statements

H304-H336

Precautionary statements

P101-P102-P103-P233-P261-P271-P301+P310-P331-P304+P340-P312-P233-P405-P501

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture. Inhalation causes narcotic effects/intoxication.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64742-47-8	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics			60 - < 65 %
	265-149-8	649-422-00-2	01-2119480153-44	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411 EUH066			
111-76-2	2-butoxyethanol			5 - < 10 %
	203-905-0	603-014-00-0	01-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319			

Full text of H and EUH statements: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % aliphatic hydrocarbons.

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

Remove contaminated, saturated clothing immediately. First aider: Pay attention to self-protection! Move victim out of danger zone.

After inhalation

Provide fresh air. Move victim out of danger zone. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water. Induce vomiting when the affected person is not unconscious. Medical treatment necessary. Do NOT induce vomiting. Rinse mouth thoroughly with water. Do NOT induce vomiting. Call a physician immediately.

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

The following symptoms may occur::

Intoxication. unconsciousness. Headache. drowsiness. vomiting. Dizziness. Depression of the central nervous system.

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

Treat symptomatically. This information is not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam. Carbon dioxide (CO₂). Water spray. dry extinguishing powder. Water fog.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Vapours are heavier than air and will spread at floor level. Beware of reignition. Special exposure hazards arising from the substance itself, combustion products, resulting gases: Carbon monoxide Carbon dioxide.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Special protective equipment for firefighters In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers. Remove according to the regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Provide adequate ventilation. Wear personal protection

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equipment. Keep away from sources of ignition - No smoking.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion Provide fresh air. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Ventilate affected area. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

See protective measures under point 7 and 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Do not breathe gas/fumes/vapour/spray. Use only outdoors or in a well-ventilated area. Keep away from sources of ignition - No smoking. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. When using do not eat, drink, smoke, sniff. Keep out of the reach of children. Keep away from hot surfaces. Prolonged/repetitive skin contact may cause skin defatting or dermatitis. Read label before use. Observe in addition any national regulations!

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air. Keep only in the original container in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in a cool, well-ventilated place. Maximum storage temperature: 30°C Further information concerning storage conditions: The floor should be leak tight, jointless and not absorbent. Ensure adequate ventilation of the storage area.

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Hints on joint storage

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances. Keep away from: Oxidizing agents. strong alkalis. Strong acid.

Further information on storage conditions

Fire class: B

7.3. Specific end use(s)

Solvents, Washing and cleaning products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid (creatinine)	240 mmol/mol	urine	Post shift

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
111-76-2	2-butoxyethanol			
	Worker DNEL, acute	dermal	systemic	89 mg/kg bw/day
	Worker DNEL, acute	inhalation	systemic	663 mg/m ³
	Worker DNEL, acute	inhalation	local	246 mg/m ³
	Worker DNEL, long-term	dermal	systemic	75 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	98 mg/m ³
	Consumer DNEL, acute	dermal	systemic	44,5 mg/kg bw/day
	Consumer DNEL, acute	inhalation	systemic	426 mg/m ³
	Consumer DNEL, acute	oral	systemic	13,4 mg/kg bw/day
	Consumer DNEL, acute	inhalation	local	123 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	38 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	49 mg/m ³
	Consumer DNEL, long-term	oral	systemic	3,2 mg/kg bw/day

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PNEC values

CAS No	Substance	
Environmental compartment		Value
111-76-2	2-butoxyethanol	
Freshwater		8,8 mg/l
Marine water		0,88 mg/l
Freshwater sediment		34,6 mg/kg
Marine sediment		3,46 mg/kg
Micro-organisms in sewage treatment plants (STP)		463 mg/l
Soil		2,8 mg/kg

Additional advice on limit values

Take precautionary measures against static discharges.

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation as well as local exhaustion at critical locations. Exposure controls / Personal protection equipment

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. When using do not eat, drink, smoke, sniff. Personal protection equipment. Contaminated work clothing should not be allowed out of the workplace. Technical ventilation of workplace.

Eye/face protection

Wear eye protection/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Tested protective gloves are to be worn:
 Suitable material: NBR (Nitrile rubber). Butyl rubber.
 Thickness of glove material: 0,7mm
 Breakthrough times and swelling properties of the material must be taken into consideration.
 Protect skin by using skin protective cream. Set out skin protection guidelines.
 Apply skin care products after work.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection necessary at: exceeding exposure limit values. Filtering device (full mask or mouthpiece) with filter: A-P2

Environmental exposure controls

No information available.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	colourless	
Odour:	characteristic	
pH-Value:		not determined

Changes in the physical state

Melting point:		not determined
Initial boiling point and boiling range:		>135 °C
Flash point:		>35 °C

Flammability

Solid:		not applicable
Gas:		not applicable

Explosive properties

not explosive. In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits:		0,6 vol. %
Upper explosion limits:		7 vol. %
Ignition temperature:		not determined

Auto-ignition temperature

Solid:		not applicable
Gas:		not applicable

Decomposition temperature:		not determined
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Oxidizing properties

Not oxidising.

Vapour pressure: (at 20 °C)		not determined
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Density:		0,79 g/cm ³
Bulk density:		not applicable

Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.	
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Solubility in other solvents

not determined

Partition coefficient:		not determined
Viscosity / dynamic:		not determined
Vapour density:		not determined
Evaporation rate:		not determined

9.2. Other information

Solid content:		not determined
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SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable. The product has not been tested.

10.2. Chemical stability

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Stable with proper storage and handling.

10.3. Possibility of hazardous reactions

No decomposition if used as intended

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Refer to chapter 7.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Take precautionary measures against static discharges.

10.5. Incompatible materials

Refer to chapter 7.

Materials to avoid: Oxidizing agents.

10.6. Hazardous decomposition products

Refer to chapter 5.

No decomposition if used as intended

In case of fire may be liberated: Carbon monoxide. Carbon dioxide.

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

Mixture not tested. There are no data available on the preparation/mixture itself.

Acute toxicity

Based on available data, the classification criteria are not met.

There are no data available on the mixture itself.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-47-8	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
	inhalation vapour	LC50 >2000 mg/l	Rat		
111-76-2	2-butoxyethanol				
	oral	LD50 >2000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Guinea-pig.		
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			

Irritation and corrosivity

Based on available data, the classification criteria are not met.

There are no data available on the mixture itself.

Sensitising effects

Based on available data, the classification criteria are not met.

There are no data available on the mixture itself.

Carcinogenic/mutagenic/toxic effects for reproduction

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Based on available data, the classification criteria are not met.
There are no data available on the mixture itself.

STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.
There are no data available on the mixture itself.

Aspiration hazard

May be fatal if swallowed and enters airways. (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

Specific effects in experiment on an animal

There are no data available on the mixture itself.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. Special hazards arising from the substance or mixture! There are no data available on the mixture itself. No data available

Practical experience
Observations relevant to classification

The evaluation based on subjective human observations: May cause drowsiness or dizziness. Headache.

Further information

Mixture not tested. There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information
12.1. Toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Mixture not tested. There are no data available on the preparation/mixture itself.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-47-8	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics					
	Acute fish toxicity	LC50 mg/l	>1000	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50 mg/l	>1000	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50 mg/l	>1000	48 h	Daphnia magna	
111-76-2	2-butoxyethanol					
	Acute fish toxicity	LC50 mg/l	1474	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50 mg/l	1840	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50 mg/l	1550	48 h	Daphnia magna	
	Fish toxicity	NOEC mg/l	>100	21 d	Brachydanio rerio (zebra-fish)	
	Crustacea toxicity	NOEC mg/l	>100	21 d	Daphnia magna	

12.2. Persistence and degradability

The product has not been tested. No data available

12.3. Bioaccumulative potential

No data available

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12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Mixture not tested. There are no data available on the preparation/mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. The waste codes are recommendations based on the scheduled use of this products. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste disposal number of used product

070104 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other organic solvents, washing liquids and mother liquors; hazardous waste

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself. Recommendation: Dispose of waste according to applicable legislation. E.g. Dispose of contents/container to industrial incineration plant. Or: Dispose of this material and its container to hazardous or special waste collection point. Do not empty into drains.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number:</u>	UN 3295
<u>14.2. UN proper shipping name:</u>	HYDROCARBONS, LIQUID, N.O.S.
<u>14.3. Transport hazard class(es):</u>	3
<u>14.4. Packing group:</u>	III
Hazard label:	3



Classification code:	F1
Limited quantity:	5 L
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E

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Other applicable information (land transport)

E1

Inland waterways transport (ADN)

14.1. UN number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Classification code: F1
 Limited quantity: 5 L

Other applicable information (inland waterways transport)

E1

Marine transport (IMDG)

14.1. UN number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Special Provisions: 223
 Limited quantity: 5 L
 EmS: F-E, S-D

Other applicable information (marine transport)

E1

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



14.6. Special precautions for user

Warning: Combustible liquid.

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

No data available

SECTION 15: Regulatory information

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

EU regulatory information

Information according to 2012/18/EU (SEVESO III): E2 Hazardous to the Aquatic Environment
 Additional information: P5c

Additional information

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Regulation (EC) No. 648/2004 (Detergents regulation). To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,9,10,11,14,15.
 These details refer to the products as it is delivered.
 Notice the directions for use on the label.
 * Data changed compared with the previous version

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Asp. Tox. 1; H304	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)