



according to Regulation (EC) No 1907/2006

**Industrie Sprühkleber 500ml**

Revision date: 26.10.2020

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Industrie Sprühkleber

UFI Code : JRUD-KEKQ-C00W-KKX0

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

Aerosol adhesives, sealants

Consumer uses: Private households (= general public = consumers)

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

Company name: WINKEL GmbH  
Street: Lisztstraße 1 53881  
Place: Euskirchen - Germany  
Telephone: +4922517769400-401  
e-mail: [info@winkel.com.tr](mailto:info@winkel.com.tr)  
Internet: [www.winkelgroup.de](http://www.winkelgroup.de)

Telefax: 4922517769400-402

**1.4. Emergency telephone**

**number:** 114  
(8:30 - 18:00 Uhr)

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**SECTION 2: Hazards identification****2.1. Classification of the substance/ mixture**

Regulation (EC) No. 1272/2008

Aerosols: Aerosol 1

Aspiration hazard: Asp. 1

Skin corrosion / irritation: Skin irritation. 2

Serious eye damage / eye irritation: eye irritation. 2 Respiratory or skin sensitization: Skin Sens. 1

Specific target organ toxicity (single exposure): STOT SE. 3 Hazardous to the aquatic environment: Aqu. chron. 3

Hazard warnings:

Extremely flammable aerosol.

Pressurized container: May burst if heated.

Can be fatal if swallowed and enters airways. Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction. May cause drowsiness and dizziness.

Harmful to aquatic organisms, with long-term effect..

**2.2. Label elements**

rosin

Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane acetone; 2-propanone; Propanone

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

**Signal word** Danger.**Pictograms :****Hazard warnings**

H222 Extremely flammable aerosol.

H229 Pressurized container: May burst if heated.

H315 Causes skin irritation.

H317 can cause allergic reactions to your skin.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H412 Harmful to aquatic life with long lasting effects.

**Safety Instructions**

P101 If medical advice is needed, have container or label at hand. P102 Keep out of the reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.

P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves and eye / face protection.

P410 + P412 Protect from direct sunlight. Do not expose to temperatures exceeding 50 ° C / 122 ° F. P501

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Dispose of contents / container to in accordance with local / national regulations.

**2.3. Other hazards**

In the event of insufficient ventilation and / or through use, formation of explosive / highly flammable mixtures is possible

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS-Nr.	Chemical name			Anteil
	EG-Nr.	Index-Nr.	REACH-Nr.	
	GHS Classification			
115-10-6	Dimethylether			60 - < 65 %
	204-065-8		01-2119472128-37	
	Flam. Gas 1, Liquefied gas; H220 H280			
8050-09-7	Rosin			5 - < 10 %
	232-475-7		01-2119480418-32	
	Skin Sens. 1; H317			
	Hydrocarbons, C6, isoalkanes, <5% n-hexane			5 - < 10 %
	931-254-9		01-2119484651-34	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
67-64-1	Aceton; 2-Propanon; Propanon			5 - < 10 %
	200-662-2		01-2119471330-49	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics			5 - < 10 %
	927-510-4		01-2119475515-33	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411 EUH066			
110-82-7	Cyclohexan			0,1 - < 0,5 %
	203-806-2		01-2119463273-41	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H225 H315 H336 H304 H400 H410			
1314-13-2	zinc oxide			0,1 - < 0,5 %
	215-222-5		01-2119463881-32	
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			

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

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After inhalation**

Provide fresh air.

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**After contact with skin**

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

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Observe risk of aspiration if vomiting occurs. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

No information available.

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

Caution when vomiting: Risk of aspiration

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder.

**Unsuitable extinguishing media**

Water.

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

Extremely flammable aerosol. Pressurized container: May burst if heated. Vapours can form explosive mixtures with air.

**5.3. Advice 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.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment.

**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.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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

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**Advice for safe handling**

Do not pierce or burn, even after use. Do not breathe gas / vapor / aerosol. If local suction is not possible or insufficient, good ventilation of the work area should be ensured if possible.

**Information about fire and explosion protection**

Do not spray on flames or glowing objects. Protect from direct sunlight. Do not expose to temperatures above 50 ° C / 122 ° F. Keep away from sources of ignition - No smoking. Take measures against electrostatic charges. Vapors may form explosive mixtures with air.

**Further information on handling**

Heating leads to an increase in pressure and a risk of bursting..

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

Requirements for storage rooms and containers

Keep container tightly closed. Keep container in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other types of ignition sources. Do not smoke.

Advice on common storage

Do not store together with: Oxidizing agents. Pyrophoric or self-heating hazardous substances.

Further information on storage conditions

Keep away from food, drink and animal feed.

Storage class according to TRGS 510: 2B (aerosol dispensers and lighters)

**7.3. Requirements for storage rooms and vessels**

Keep container tightly closed. 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.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure controls****Appropriate engineering controls**

CAS-Nr.	Description	ppm	mg/m <sup>3</sup>	F/m <sup>3</sup>	Top limit	Art
-	(OLD) Hydrocarbon mixtures, fractions (RCP group): C5-C8 aliphatics		1500		2(II)	
67-64-1	Acetone	500	1200		2(I)	
110-82-7	Cyclohexane	200	700		4(II)	
115-10-6	Dimethylether	1000	1900		8(II)	

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CAS-Nr.	Description	Parameter	Limit Value	Test Material SAMPLE	Time
67-64-1	Acetone	Acetone	80 mg/l	U	b
110-82-7	Cyclohexane	1,2-Cyclohexandiol (nach Hydrolyse) (in Kreatinin)	150 mg/g	U	c,b

## DNEL / DMEL values

CAS-Nr.	Description	DNEL Typ	Route of exposure	Effect	Value
115-10-6	Dimethylether				
	Consumer DNEL, long term		inhalativ	systemic	471 mg/m <sup>3</sup>
	Workers DNEL, long term		inhalativ	systemic	1894 mg/m <sup>3</sup>
	Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan				
	Workers DNEL, long term		inhalativ	systemic	5306 mg/m <sup>3</sup>
	Workers DNEL, long term		dermal	systemic	13964 mg/kg KG/d
	Consumer DNEL, long term		inhalativ	systemic	1131 mg/m <sup>3</sup>
	Consumer DNEL, long term		dermal	systemic	1377 mg/kg KG/d
	Consumer DNEL, long term		oral	systemic	1301 mg/kg KG/d
67-64-1	Aceton; 2-Propanon; Propanon				
	Workers DNEL, long term		inhalativ	systemic	1210 mg/m <sup>3</sup>
	Workersr DNEL, akut		inhalativ	local	2420 mg/m <sup>3</sup>
	Workers DNEL, long term		dermal	systemic	186 mg/kg KG/d
	Consumer DNEL, long term		inhalativ	systemic	200 mg/m <sup>3</sup>
	Consumer DNEL, long term		dermal	systemic	62 mg/kg KG/d
	Consumer DNEL, long term		oral	systemic	62 mg/kg KG/d
	Kohlenwasserstoffe, C7, n-Alkane, Isoalkane, Cyclene				
	Workers DNEL, long term		dermal	systemic	300 mg/kg KG/d
	Workers DNEL, long term		inhalativ	systemic	2085 mg/m <sup>3</sup>
	Consumer DNEL, long term		dermal	systemic	149 mg/kg KG/d
	Consumer DNEL, long term		inhalativ	systemic	447 mg/m <sup>3</sup>
	Consumer DNEL, long term		oral	systemic	149 mg/kg KG/d
110-82-7	Cyclohexan				
	Consumer DNEL, long term		oral	systemic	59,4 mg/kg KG/d
	Workers DNEL, long term		inhalativ	systemic	700 mg/m <sup>3</sup>
	Workersr DNEL, akut		inhalativ	systemic	1400 mg/m <sup>3</sup>
	Workers DNEL, long term		inhalativ	local	700 mg/m <sup>3</sup>
	Workersr DNEL, akut		inhalativ	local	1400 mg/m <sup>3</sup>

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Workers DNEL, long term	dermal	systemic	2016 mg/kg KG/d
Consumer DNEL, long term	inhalativ	systemic	206 mg/m <sup>3</sup>
Consumer DNEL, akut	inhalativ	systemic	412 mg/m <sup>3</sup>
Consumer DNEL, long term	inhalativ	local	206 mg/m <sup>3</sup>
Consumer DNEL, akut	inhalativ	local	412 mg/m <sup>3</sup>
Consumer DNEL, long term	dermal	systemic	1186 mg/kg KG/d
1314-13-2	Zinkoxid		
Workers DNEL, long term	inhalativ	systemic	5 mg/m <sup>3</sup>
Workers DNEL, long term	inhalativ	local	0,5 mg/m <sup>3</sup>
Workers DNEL, long term	dermal	systemic	83 mg/kg KG/d
Consumer DNEL, long term	inhalativ	systemic	2,5 mg/m <sup>3</sup>
Consumer DNEL, long term	dermal	systemic	83 mg/kg KG/d
Consumer DNEL, long term	oral	systemic	0,83 mg/kg KG/d

**Eye/face protection**

Wear eye protection/face protection. Suitable eye protection: goggles DIN EN 166

**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.

Suitable material: NBR (Nitrile rubber) (0,4 mm), FKM (fluoro rubber) (0,7 mm) EN ISO 374

Breakthrough time (maximum wearing time): 480 min.

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.

**Skin protection**

Wear anti-static footwear and clothing

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection. Suitable respiratory protection apparatus:

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	Transparent
Odour:	According to solvent

**Changes in the physical state**

Melting point:	< -20 °C
Flash point:	< -20 °C
Ignition temperature:	> 200 °C
Lower explosion limits:	1 Vol.-%
Upper explosion limits:	26,2 Vol.-%

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Density (at 15 °C): 0,7 g/cm<sup>3</sup>

## Other Information

Solid Content: not determined

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

Extremely flammable aerosol.

## 10.2. Chemical stability

The product is stable when stored at normal ambient temperatures.

## 10.3. Possibility of hazardous reactions

No dangerous reactions are known.

## 10.4. Conditions to Avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapors may form explosive mixtures with air.

## 10.5. Incompatible materials

There is no information.

## 10.6. Hazardous decomposition products

No dangerous decomposition products are known.

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

## Acute toxicity

CAS-N	Description				
	Route of exposure	Dose	Species	Source	Method
115-10-6	Dimethylether				
	inhalativ (4 h) Gas	LC50 164000 ppm	Rat	Study report (1979)	Ten male rats were administered the test
8050-09-7	Kolophonium				
	oral	LD50 2800 mg/kg	Rat	study pre-dated mode	
	dermal	LD50 > 2000 mg/kg	Rat	OECD Guideline 402	
	Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan				
	oral	LD50 > 5000 mg/kg	Rat	OECD 401	
	dermal	LD50 > 3000 mg/kg	Rat	OECD 402	
	inhalativ (4 h) Dampf	LC50 73860 mg/l	Rat	Industrial Medicine, Vol. 39, No. 5, May	OECD Guideline 403
67-64-1	Aceton; 2-Propanon; Propanon				
	oral	LD50 5800 mg/kg	Rat	J Toxicol Environ Health 15: 609-621 (19)	Undiluted acetone applied to female rats
	dermal	LD50 > 7426 mg/kg	Rabbits	Toxicol Appl Pharmacol 7: 559-565. (1965)	other: Code of federal regulations: 21 C
	inhalativ (4 h) Dampf	LC50 76 mg/l	Rat		
	Kohlenwasserstoffe, C7, n-Alkane, Isoalkane, Cyclene				



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	oral	LD50 mg/kg	>5840	Rat		
	dermal	LD50 mg/kg	> 2800 - 3100	Rat	Study report (1977)	The acute toxicity of SBP 100/140 was de
	inhalativ (4 h) Dampf	LC50 mg/l	> 23,3	Rat	Study report (1988)	OECD Guideline 403
110-82-7	Cyclohexan					
	oral	LD50 mg/kg	> 5000	Rat	Study report (1982)	OECD Guideline 401
1314-13-2	Zinkoxid					
	oral	LD50 mg/kg	> 5000	Rat	Publication (1977)	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rat	Study report (2010)	OECD Guideline 402

**Irritant and corrosive effects**

Causes skin irritation. Causes serious eye irritation.

**Sensitizing effects**

May cause an allergic skin reaction. (Rosin)

**Carcinogenic, mutagenic and toxic effects for reproduction**

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

**Specific target organ toxicity after single exposure**

May cause drowsiness and dizziness. (Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane)

**Specific target organ toxicity after repeated exposure**

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

**Aspiration hazard**

Can be fatal if swallowed and enters airways.

**Other information on tests**

The mixture is classified as dangerous according to regulation (EC) No. 1272/2008 [C]

## SECTION 12: Ecological information

## 12.1. Toxicity

Harmful to aquatic organisms, with long-term effect.

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CAS-Nr.	Bezeichnung					
	Aquatische Toxizität	Dosis	[h]   [d]	Spezies	Quelle	Methode
115-10-6	Dimethylether					
	Akute Fischtoxizität	LC50 > 4100 mg/l	96 h	Poecilia reticulata	Study report (1988)	other: NEN 6504 Water - Determination of
	Akute Algentoxizität	ErC50 154,917 mg/l	96 h	green algae	Other company data (2009)	other: Data generated using ECOSAR v1.00
	Akute Crustaceatoxizität	EC50 > 4400 mg/l	48 h	Daphnia magna	Study report (1988)	other: NEN6501: Water -Determination of
8050-09-7	Kolophonium					
	Akute Fischtoxizität	LC50 < 10 mg/l	96 h	Brachydanio rerio	OECD Guideline 203	
	Akute Algentoxizität	ErC50 > 1000 mg/l	72 h	Selenastrum capricornutum	OECD Guideline 201	
	Akute Crustaceatoxizität	EC50 911 mg/l	48 h	Daphnia magna	OECD Guideline 202	
	Akute Bakterientoxizität	(> 10000 mg/l)	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209	
	Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan					
	Akute Fischtoxizität	LC50 18,27 mg/l	96 h	Oncorhynchus mykiss	ECHA	
	Akute Algentoxizität	ErC50 13,56 mg/l	72 h	Pseudokirchneriella subcapitata	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a
	Akute Crustaceatoxizität	EC50 31,9 mg/l	48 h	Daphnia magna	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a
	Fischtoxizität	NOEC 4,089 mg/l	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a
	Crustaceatoxizität	NOEC 7,138 mg/l	21 d	Daphnia magna	CONCAWE, Brussels, Belgium (2009)	The aquatic toxicity was estimated by a
67-64-1	Aceton; 2-Propanon; Propanon					
	Akute Fischtoxizität	LC50 8120 mg/l	96 h	Pimephales promelas	Publication (1984)	OECD Guideline 203
	Akute Crustaceatoxizität	EC50 8800 mg/l	48 h	Daphnia pulex	Publication (1978)	The toxicity of acetone towards daphnids
	Algentoxizität	NOEC 430 mg/l	4 d			
	Crustaceatoxizität	NOEC 2212 mg/l	28 d	Daphnia magna	Arch Environm Contam Toxicol 12: 305-310	Study conducted comparable to OECD 211 w
	Akute Bakterientoxizität	(61150 mg/l)	0,5 h	activated sludge of a predominantly domestic sewage	Water Res 26: 887-892 (1992)	ISO 8192
	Kohlenwasserstoffe, C7, n-Alkane,Isoalkane, Cyclene					
	Akute Fischtoxizität	LC50 > 13,4 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203	

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**SECTION 13: Disposal considerations****13.1. Waste treatment****methods****Disposal recommendations**

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.

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Landtransport (ADR/RID)**

<b><u>14.1. UN-Number:</u></b>	UN 1950
<b><u>14.2. UN proper shipping name::</u></b>	AEROSOLS 2
<b><u>14.3. Transport hazard class:</u></b>	

Sales group	-
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Hazard labell:	2.1
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Classification code: 5F  
 Special regulations: 190 327 344 625  
 Limited quantity (LQ): 1 L  
 Excepted quantity: E0  
 Transport category: 2  
 D

## Inland waterway transport (ADN)

14.1. UN number: UN 1950  
 14.2. UN proper shipping name: AEROSOL  
 14.3. Transport hazard class: 2  
 14.4. Packing group: -  
 Hazard label: 2.1



Classification code: 5F  
 Special regulations: 190 327 344 625

Limited quantity (LQ): 1 L  
 Expected Quantity: E0

## Sea transport (IMDG)

**14.1. UN-Number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
 Transport hazard class: 2.1  
**14.4. Packing group:** -  
 Hazard Label: 2.1



Classification code : 63, 190, 277, 327, 344, 381, 959  
 Limited Quantity (LQ): 1000 mL  
 Expected Quantity: E0  
 EmS: F-D, S-U

## Air transport (ICAO-TI / IATA-DGR)

**14.1. UN-Number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, FLAMMABLE  
 14.3. Transport hazard class: 2.1  
 14.4. Packing group: -  
 Hazard Label: 2.1





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Classification code:

A145 A167 A802

Limited quantity (LQ) Passenger: 30 kg G

Passenger LQ: Y203

Excepted quantity: E0

IATA packing instructions - Passenger: 203

IATA maximum quantity - Passenger: 75 kg

IATA packing instructions - Cargo: 203

IATA maximum quantity - Cargo: 150 kg

14.1. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.5. Special precautionary measures for the user

Warning: flammable gases.

14.6. Special precautionary measures for the user

Warning: flammable gases.

14.7. Transport in bulk according to Annex II of MARPOL73 / 78 and the IBC Code

not applicable



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**SECTION 15: Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulatory information**

EU regulations

Use restrictions (REACH,  
Annex XVII): Entry 57:

Cyclohexane

Information on IE Directive

2010/75 / EU (VOC):

Information on VOC directive

2004/42 / EC: Information on  
SEVESO III directive 2012/18 /

EU:

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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): 2,3,4,6,7,8,9,12,14,15,16.

## 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 Labeling 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%

CLP: Classification, labeling and packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonized System of Classification, Labeling and Packaging of Chemicals UN: United Nations

DNEL: Derived No Effect Level DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration ATE: Acute toxicity estimate

LL50: Lethal loading, 50% EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic vPvB: very persistent, very bioaccumulative

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

EmS: Emergency Schedules MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds SVHC: Substance of Very High Concern

Wording of the H and EUH statements (number and full text)

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H225 Highly flammable liquid and vapor.

H229 Pressurized container: May burst if heated.

H280 Contains gas under pressure; can explode if heated.

H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation.

H317 can cause allergic reactions to your skin.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H400 Very toxic to aquatic organisms.

H410 - Very toxic for water organisms with long-term effect.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects. EUH066 Repeated exposure may cause skin dryness or cracking.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)***Prepared;****The person who prepared the Safety Data Sheet:****Name : HANDAN KURNALI (CHEMIST)****Certificate No and Date : TÜV / 11.15.04 & 13 MAY 2019 28.03****Certificate valid on : 13/05/2024****Contact information : 03124181333/0506 956 46 42**