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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 12.05.2022 / 0010

Revision 12.05.2022 / 007 009 Valid from: 12.05.2022 COSMO® CL-300.120

(COSMOFEN 10)

# Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

COSMO® CL-300.120

(COSMOFEN 10)

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

Relevant identified uses of the substance or mixture:

Uses advised against:

**1.3 Details of the supplier of the safety data sheet** Weiss Chemie + Technik GmbH & Co. KG

Hansastrasse 2 35708 Haiger

Tel: +49 (0) 2773 / 815-0 msds@weiss-chemie.de www.weiss-chemie.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (WIC) +1 872 5888271 (WIC)

# **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP) Hazard class Hazard statement

Hazard category H225-Highly flammable liquid and vapour. Flam. Liq. H319-Causes serious eye irritation. Eye Irrit. STOT SE 3 H336-May cause drowsiness or dizziness.

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)





# Danger

H225-Highly flammable liquid and vapour. H319-Causes serious eye irritation. H336-May cause drowsiness or dizziness

P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261-Avoid breathing vapours or spray. P280-Wear protective gloves and eye

protection / face protection.
P303+P361+P353-IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P305+P338-IF IN EYES: Rinse cautiously with water for minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312-Call a P0ISON CENTRE / doctor if you feel unwell. P403+P233-Store in a well-ventilated place. Keep container tightly closed.

EUH066-Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Z.3 Other Indzards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

Dangerous vapours heavier than air. In case of spreading near the ground, flashback to distance sources of ignition is possible.

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

# 3.1 Substances

n.a.

3.2 Mixtures	
Ethyl acetate	Substance for which an EU exposure limit
	value applies.
Registration number (REACH)	01-2119475103-46-XXXX
Index	607-022-00-5
EINECS, ELINCS, NLP, REACH-IT List-No.	205-500-4
CAS	141-78-6
content %	80-<100
Classification according to Regulation (EC) 1272/2008	EUH066
(CLP), M-factors	Flam. Liq. 2, H225
	Eye Irrit. 2, H319
	STOT SE 3, H336

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16. The substances named in this section are given with their actual, appropriate classification! For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

First-aiders should ensure they are protected! Never pour anything into the mouth of an unconscious person!

Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms

If the person is unconscious, place in a stable side position and consult a doctor.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eve contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

ns and effects can be found in section 11 and the absorption route in section 4.1. If applicable delayed sympt Headaches

Dizziness

Effects/damages the central nervous system
Coordination disorders
Unconsciousness
In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

# **SECTION 5: Firefighting measures**

# 5.1 Extinguishing media

Suitable extinguishing media

CO2 Extinction powder Water jet spray Alcohol resistant foam

Unsuitable extinguishing media

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop Oxides of carbon

Acetic acid

Return and Ethanol Formation of highly flammable vapour/air mixtures possible. Explosive vapour/air or gas/air mixtures. Danger of bursting (explosion) when heated

5.3 Advice for firefighters

For personal protective equipment see Section 8. In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations.

# **SECTION 6: Accidental release measures**

# 6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Keep non-essential personnel away.

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities

6.3 Methods and material for containment and cleaning up ous earth) and dispose of Soak up with absorbent material (e.g. universal binding agent, sand, diato

# according to Section 13.

6.4 Reference to other sections
For personal protective equipment see Section 8 and for disposal instructions see Section 13.

# **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations



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Ensure good ventilation.

If applicable, suction measures at the workstation or on the processing machine necessary.

in applicable, souton measures at the workstation of on the processing machin Keep away from sources of ignition - Do not smoke.

Take measures against electrostatic charging, if appropriate.

Avoid contact with eyes or skin.

Handle and open container with care.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

# 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

# **7.2 Conditions for safe storage, including any incompatibilities**Keep out of access to unauthorised individuals. Not to be stored in gangways or stair wells.

Not to be stored in garginglys or stail wells. Store product closed and only in original packing. Observe special storage conditions. Do not store with flammable or self-igniting materials. Solvent resistant floor Protect from direct sunlight and warming.

Store cool. Store in a dry place.

Ethyl acotato

7.3 Specific end use(s)

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

# 8.1 Control parameters

	(GB) Chem	ical Name	Ethyl aceta	ate		
	WEL-TWA:	200 ppm (734 mg	ı/m3)	WEL-STEL:	400 ppm (1468 mg/m3)	
	(WEL, EU)			(WEL, EU)		
	Monitoring p	rocedures:	-	Draeger - Ethyl	Acetate 200/a (CH 20 20	1)
			-	Compur - KITA-	111 SA (549 160)	
			-	Compur - KITA-	111 U(C) (549 178)	
				DFG Meth. Nr.	1 (D) (Loesungsmittelgem	nische 2), DFG (E)
			-	(Solvent mixture	es 2) - 1993, 2002	
				DFG Meth. Nr. 2	2 (D) (Loesungsmittelgem	nische 3), DFG (E)
			-	(Solvent mixture	es 3) - 2014, 2002	
				DFG Meth. Nr. 6	6 (D) (Loesungsmittelger	ische 4), DFG (E)
			-	(Solvent mixture	es 4) - 2014, 2002	
			-	NIOSH 1457 (E	THÝL ACETATE) - 1994	
				NIOSH 2549 (V	OLATILE ORGANIC CON	MPOUNDS
			-	(SCREENING))	- 1996	
ı	BMGV:				Other inform	nation:

Area of application	Exposure route / Environmental compartment	Effect on health	Descri ptor	Valu e	Unit	Note
	Environment -		PNEC	0,24	mg/l	
	freshwater		BUEO	0.00		
	Environment - marine		PNEC	0,02 4	mg/l	
	Environment -		PNEC	1.65	mg/l	
	water, sporadic		TIVEC	1,00	mg/i	
	(intermittent) release					
	Environment -		PNEC	1,15	mg/kg	
	sediment, freshwater		111120	1,10	mg/kg	
	Environment -		PNEC	0.11	mg/kg	
	sediment, marine			5	55	
	Environment - soil		PNEC	0,14	mg/kg	
	Environment - sewage treatment plant		PNEC	650	mg/l	
	Environment - oral (animal feed)		PNEC	200	mg/kg	
Consumer	Human - oral	Long term, systemic effects	DNEL	4,5	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	37	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	367	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	367	mg/m3	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	734	mg/m3	
Consumer	Human - inhalation	Short term, local effects	DNEL	734	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	63	mg/kg	
Workers /	Human - inhalation	Long term,	DNEL	734	mg/m3	
employees		systemic effects				
Workers /	Human - inhalation	Long term,	DNEL	734	mg/m3	
employees		local effects	DUEL	1.10	/ 0	
Workers /	Human - inhalation	Short term,	DNEL	146	mg/m3	
employees Workers /	Human - inhalation	systemic effects Short term.	DNEL	8 146		
employees	numan - innalation	local effects	DINEL	8	mg/m3	
employees		iocai effects		0		

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/gratinie in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). reference period).

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute

(2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage. = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with \*\* = The exposure limit for this substance is repeated unough the TNOG 300 (Germany) of candary 2005 .....

(13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE),

(14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

#### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of

exposure to chemical and biological agents"

# **8.2.2 Individual protection measures, such as personal protective equipment** General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection: Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Solvent resistant protective gloves (EN ISO 374).

Protective gloves in butyl rubber (EN ISO 374).
Minimum layer thickness in mm:
>= 0,50

Permeation time (penetration time) in minutes:

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Protective hand cream recommended

Skin protection - Other:

Solvent resistant protection clothing (EN 13034)

espiratory protection:

If OES or MEL is exceeded.
Gas mask filter A (EN 14387), code colour brown

Observe wearing time limitations for respiratory protection equipment.

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and

degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer

and must be observed

# 8.2.3 Environmental exposure controls

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

# 9.1 Information on basic physical and chemical properties

Colourless Fruity -83,5 °C 76 °C Melting point/freezing point: Boiling point or initial boiling point and boiling range: 76 °C Flammable 2,1 Vol-% 11,5 Vol-% -4 °C 460 °C Flammability: Lower explosion limit: Upper explosion limit: Flash point: Auto-ignition temperature:

Decomposition temperature: There is no information available on this parameter.

pri.
Kinematic viscosity:
Solubility:
Partition coefficient n-octanol/water (log value):

There is no information available on this parameter. 79 g/l (20°C)
Does not apply to mixtures.
100 hPa (20°C)

Vapour pressure: Density and/or relative density: Relative vapour density: Particle characteristics: ~0.9 a/cm3 (20°C)

There is no information available on this parameter. Does not apply to liquids.

9.2 Other information

Product is not explosive. When using: development of explosive vapour/air mixture possible.

Oxidising liquids:

Bulk density

# **SECTION 10: Stability and reactivity**

# 10.1 Reactivity

10.2 Chemical stability
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

See also section 7. Heating, open flame, ignition sources Electrostatic charge

10.5 Incompatible materials

Avoid contact with strong oxidizing agents. Avoid contact with strong alkalis. Avoid contact with strong acids.



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Alkali metals
10.6 Hazardous decomposition products

See also section 5.2 No decomposition when used as directed.

# **SECTION 11: Toxicological information**

# 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Possibly more information on health effects, see Section 2.1 (classification). COSMO® CL-300.120

(COSMOFEN 10)						
Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Ethyl acetate						
Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
Acute toxicity, by oral	LD50	4934	mg/k	Rabbit	OECD 401	
route:			g		(Acute Oral	
			-		Toxicity)	
Acute toxicity, by	LD50	>20000	mg/k	Rabbit		
dermal route:			g			
Acute toxicity, by	LC0	29,3	mg/l/	Rat		Vapours
inhalation:			4h			
Skin				Rabbit		Not irritant,
corrosion/irritation:						Repeated
						exposure
						may cause
						skin
						dryness or
						cracking.
Serious eye				Rabbit	OECD 405	Eye Irrit. 2
damage/irritation:					(Acute Eye	
					Irritation/Corrosio	
					n)	
Respiratory or skin				Guinea	OECD 406 (Skin	No (skin
sensitisation:				pig	Sensitisation)	contact)
Germ cell				Salmonel	OECD 471	Negative
mutagenicity:				la	(Bacterial	
				typhimuri	Reverse	
				um	Mutation Test)	
Germ cell				Mammali	OECD 473 (In	Negative
mutagenicity:				an	Vitro	
					Mammalian	
					Chromosome	
					Aberration Test)	
Germ cell				Mammali	OECD 474	Negative
mutagenicity:				an	(Mammalian	-
- 1					Erythrocyte	
					Micronucleus	
					Test)	
Carcinogenicity:						Negative
Reproductive toxicity:						Negative
Aspiration hazard:			1			No

C. mantama.						look of
Symptoms:						lack of appetite, breathing difficulties, drowsiness
						unconsciou sness, drop in blood pressure, cornea opacity, coughing, headaches, gastrointes tinal disturbance s, intoxication , drowsiness , mucous membrane
						irritation, dizziness, salivation, nausea
						and vomiting., fatigue
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAE L	900	mg/k g bw/d	Rat	Regulation (EC) 440/2008 B.26 (SUB-CHRONIC ORAL TOXICITY TEST REPEATED DOSE 90 - DAY (RODENTS))	¥ .
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAE L	0,002	mg/k g	Rat	Regulation (EC) 440/2008 B.29 (SUB-CHRONIC INHALATION TOXICITY STUDY 90-DAY REPEATED (RODENTS))	

# 11.2. Information on other hazards

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(COSMOFEN 10)						
Toxicity / effect	Endpo int	Value	Unit	Organis m	Test method	Notes
Endocrine disrupting properties:						Does not apply to mixtures.
Other information:						No other relevant information available on adverse effects on health.

# **SECTION 12: Ecological information**

Possibly more information on environmental effects, see Section 2.1 (classification).

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Toxicity / effect	Endpoin t	Tim e	Valu e	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and degradability:							n.d.a.
12.3. Bioaccumulative potential:							n.d.a.
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT and vPvB assessment							n.d.a.
12.6. Endocrine disrupting properties:							Does not apply to mixtures.
12.7. Other adverse effects:							No information available on other adverse effects on the environment of the information of the information of the environment of the information o

Toxicity / effect	Endpoin t	Tim e	Valu e	Unit	Organism	Test method	Notes
Toxicity to bacteria:	EC10	18h	290 0	mg/l	Pseudomon as putida		
12.1. Toxicity to fish:	LC50	48h	333	mg/l	Leuciscus idus		
12.1. Toxicity to fish:	NOEC/N OEL	32d	>9,6 5	mg/l	Pimephales promelas		
12.1. Toxicity to fish:	LC50	96h	230	mg/l	Pimephales promelas		
12.1. Toxicity to daphnia:	EC50	48h	610	mg/l	Daphnia magna	DIN 38412 T.11	



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12.1. Toxicity to daphnia:	NOEC/N OEL	21d	2,4	mg/l	Daphnia magna	OECD 211 (Daphnia magna Reproductio n Test)	
12.1. Toxicity to daphnia:	EC50	48h	165	mg/l		,	Daphnia cucullata
12.1. Toxicity to algae:	EC50	48h	560 0	mg/l	Desmodesm us subspicatus	DIN 38412 T.9	
12.1. Toxicity to algae:	NOEC/N OEL	96h	200	mg/l	Scenedesm us subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EC50	96h	>20 00	mg/l	Pseudokirch neriella subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/N OEL	72h	>10 0	mg/l	Desmodesm us subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	EC50	48h	330 0	mg/l	Scenedesm us subspicatus		
12.2. Persistence and degradability:		20d	79	%		OECD 301 D (Ready Biodegradab ility - Closed Bottle Test)	Readily biodegrada ble
12.3. Bioaccumulative potential:	BCF	72h	30				(Fish)
12.3. Bioaccumulative potential:	Log Kow		0,68			OECD 107 (Partition Coefficient (n- octanol/wate r) - Shake Flask Method)	Bioaccumul ation is unlikely (LogPow < 1).25 °C
12.4. Mobility in soil:	H (Henry)		0,00 012	atm* m3/m ol			
12.4. Mobility in soil:	Koc		3				
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC10	16h	290 0	mg/l	Escherichia coli		
Toxicity to bacteria:	EC50	15m in	587 0	mg/l	Photobacteri um phosphoreu m		

# **SECTION 13: Disposal considerations**

# 13.1 Waste treatment methods

# For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

07 01 04 other organic solvents, washing liquids and mother liquors 14 06 03 other solvents and solvent mixtures

Recommendation:
Sewage disposal shall be discouraged.
Pay attention to local and national official regulations.
E.g. suitable incineration plant.

For contaminated packing material Pay attention to local and national official regulations. Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

Do not perforate, cut up or weld uncleaned container.

Residues may present a risk of explosion.

15 01 01 paper and cardboard packaging 15 01 04 metallic packaging

# **SECTION 14: Transport information**

# **General statements**

14.1. UN number or ID number 1993

# Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name: UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE, BUTYL ACETATE) (SPECIAL PROVISION

640D)
14.3. Transport hazard class(es):
14.4. Packing group:
Classification code: F1 LQ: 14.5. Environmental hazards: Tunnel restriction code: Not applicable D/E

Transport by sea (IMDG-code)

14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE, BUTYL ACETATE) 14.3. Transport hazard class(es): 14.4. Packing group: F-E. S-E

Marine Pollutant: n.a Not applicable 14.5. Environmental hazards

Transport by air (IATA)

142. UN proper shipping name:
Flammable liquid, n.o.s. (ETHYL ACETATE,BUTYL ACETATE)
14.3. Transport hazard class(es):
14.4. Packing group:
14.5. Environmental hazards:
Not ap

Not applicable

14.6. Special precautions for user
Persons employed in transporting dangerous goods must be trained.
All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

#### 14.7. Maritime transport in bulk according to IMO instruments

Freighted as packaged goods rather than in bulk, therefore not applicable Minimum amount regulations have not been taken into account. Danger code and packing code on request. Comply with special provisions.

# **SECTION 15: Regulatory information**

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

Coserive restrictions.

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)!

Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso Ill"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

Hazard categories

Notes to Annex I

Qualifying quantity
(tonnes) of dangerous

(tonnes) of dangerous Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for substances as referred to in Article 3(10) for P5c | S000 | The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, the application of -Upper-tier requirements 50000

must be taken into account when assigning categories and qualifying quantities

#### REGULATION (EC) No 648/2004

#### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

# **SECTION 16: Other information**

Employee training in handling dangerous goods is required. These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Flam. Liq. 2, H225	Classification based on test data.
Eye Irrit. 2, H319	Classification according to calculation
	procedure.
STOT SE 3, H336	Classification according to calculation
	procedure.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

and the Constituents (speciment in Section 2 and 3): H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. EUH066 Repeated exposure may cause skin dryness or cracking.

Flam. Liq. — Flammable liquid Eye Irrit. — Eye irritation STOT SE — Specific target organ toxicity - single exposure - narcotic effects

# Key literature references and sources

for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended. Guidelines for the preparation of safety data sheets as amended (ECHA). Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended

(ECHA). Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water

Germany.

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as

# Any abbreviations and acronyms used in this document:

acc., acc. to according, according to
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (=
European Agreement concerning the International Carriage of Dangerous Goods by Road)
Adsorbable organic halogen compounds

approx approximately

Art., Art. no.Article number
ASTM ASTM Internat
ATE Acute Toxicity
BAM Bundesanstalt

ASTM International (American Society for Testing and Materials)
Acute Toxicity Estimate
Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and

Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health

Bornamy
BCF Bioconcentration factor
BSEF The International Bromine Council
bw body weight



Page 5 of 5 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 12.05.2022 / 0010 Revision 12.05\_0022 / o/m Replacing version dated / version: 01.11.2021 / 0009 Valid from: 12.05\_2022 PDF print date: 24.05\_2022 COSMO® CL-300.120 (COSMOFEN 10) CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic Derived Minimum Effect Level Derived No Effect Level Dissolved organic carbon DMEL DNEL dw dry weight dry weignt
for example (abbreviation of Latin 'exempli gratia'), for instance
, EbLx (x = 10, 50)

Effect Concentration/Level of x % on reduction of the biomass e.g. for example (abbre EbCx, EyCx, EbLx (x = 10, 50) EdCX, EyCX, EDLX (x = 10, 50) Effect Concentration/Level of x % on fedt (algae, plants)

EC European Community

ECHA European Chemicals Agency

ECX, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect

EEC European Economic Community European Inventory of Existing Commercial Chemical Substances
European List of Notified Chemical Substances
European Norms
United States Environmental Protection Agency (United States of America) FINECS ELINCS ErCx, E $\mu$ Cx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants) et cetera
European Union
Ethylene-vinyl alcohol copolymer
Fax number etc. EVAL Fax. gen. GHS GWP general Globally Harmonized System of Classification and Labelling of Chemicals Globally Harmonized System of Classification and Global warming potential Adsorption coefficient of organic carbon in the soil octanol-water partition coefficient International Agency for Research on Cancer International Air Transport Association Koc Kow IARC IATA IBC (Code) International Bulk Chemical (Code) IMDG-code International Maritime Code for Dangerous Goods incl. including, inclusive IUCLID International Uniform Chemical Information Database International Union for Pure Applied Chemistry Lethal Concentration to 50 % of a test population
Lethal Dose to 50% of a test population (Median Lethal Dose)
Lethal Dose to 50% of a test population (Median Lethal Dose)
Log Kov Logarithm of adsorption coefficient of organic carbon in the soil
Log Kow, Log Pow Logarithm of octanol-water partition coefficient
LQ Limited Quantities

MARPOLI Lethalicon Convention for the Provention of Median Delivition LQ MARPOL International Convention for the Prevention of Marine Pollution from Ships n.a. not applicable n.av. not available not checked no data available National Institute for Occupational Safety and Health (USA) NLP No-longer-Polymer
L No Observed Effect Concentration/Level NOEC, NOEL OECD Organisation for Economic Co-operation and Development org. OSHA PBT organic
Occupational Safety and Health Administration (USA)
persistent, bioaccumulative and toxic Polyethylene Predicted No Effect Concentration **PNEC** pm parts per million
PVC Polyvinylchloride
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No
1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals) REACH-IT List-No. 9xxxxxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT. Rible Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)

SVHC Substances of Very High Concern Tel. TOC Telephone To Total organic carbon
UN RTDG
United Nations Recommendations on the Transport of Dangerous Goods
VOC
VPVB
very persistent and very bloaccumulative wwt wet weight The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by:

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