

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

1.1. Product identifier

Mixture identification:

Trade name: MAPEPLAN ADS 300

Trade code: 0502310

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

Recommended use: Adhesive

Uses advised against: Data not available

1.3. Details of the supplier of the safety data sheet

Company: POLYGLASS S.p.A.

Registered office: Viale Jenner, 4 - 20159 Milano

Headquarter: Via dell'Artigianato, 34- 31047 Ponte di Piave (TV)

Responsible: info@polyglass.it

1.4. Emergency telephone number

Poison Centre - Ospedale di Niguarda - Milan - Tel. +39/02/66101029

POLYGLASS S.p.A. Tel: +39-0422-7547

Fax: +39-0422-854118 (office hours)

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Flam. Liq. 2 Highly flammable liquid and vapour.

Skin Irrit. 2 Causes skin irritation.

Eye Irrit. 2 Causes serious eye irritation.

Repr. 2 Suspected of damaging the unborn child.

STOT SE 3 May cause drowsiness or dizziness.

Aquatic Chronic 2 Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) n. 1272/2008 (CLP)

Pictograms and Signal Words



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH208 Contains rosin; colophony. May produce an allergic reaction.

Contains:

ethyl acetate
hydrocarbones, C6, isoalkanes, <5% n-hexane
acetone; propan-2-one; propanone
toluene

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT/vPvB Ingredients are present

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: MAPEPLAN ADS 300

Hazardous components within the meaning of the CLP regulation and related classification:

Quantity	Name	Ident. Numb.	Classification	Registration Number
≥25 - <50 %	ethyl acetate	CAS:141-78-6 EC:205-500-4 Index:607-022-00-5	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	01-2119475103-46-xxxx
≥25 - <50 %	hydrocarbones, C6, isoalkanes, <5% n-hexane	CAS:64742-49-0 EC:931-254-9	Flam. Liq. 2, H225; STOT SE 3, H336; Skin Irrit. 2, H315; Asp. Tox. 1, H304; Aquatic Chronic 2, H411	01-2119484651-34-XXXX
≥10 - <20 %	acetone; propan-2-one; propanone	CAS:67-64-1 EC:200-662-2 Index:606-001-00-8	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	01-2119471330-49-XXXX
≥2.5 - <5 %	toluene	CAS:108-88-3 EC:203-625-9 Index:601-021-00-3	Flam. Liq. 2, H225; Repr. 2, H361d; Asp. Tox. 1, H304; STOT RE 2, H373; Skin Irrit. 2, H315; STOT SE 3, H336	01-2119471310-51-XXXX
≥0.49 - <1 %	rosin; colophony	CAS:8050-09-7 EC:232-475-7 Index:650-015-00-7	Skin Sens. 1,1A,1B, H317	01-2119480418-32-0000

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
Remove contaminated clothing immediately and dispose of safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

Skin Irritation

Erythema

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

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

Treatment:

(see paragraph 4.1)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

List of components with OEL value

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour Note
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ethyl acetate	SUVA	NNN	1400	400	2800	800	
	National	SWEDEN	500	150	1100	300	SWEDEN, Short-term value, 15 minutes average value
	National	FINLAND	1100	300	1800	500	
	National	NORWAY	550	150			
	NDS	NNN	200				
	NDSCh	NNN	600				
	ACGIH	NNN		400			URT and eye irr
	National	NORWAY	540	150	1080	300	
	DFG	GERMANY	C		1500	400	
	ACGIH			400			eye and upper respiratory tract irritation
	National	SWEDEN	500	150			
	National	FRANCE	1400	400			
	National	SPAIN	734	200	1468	400	
	National	GREECE	734	200	1468	400	
	National	DENMARK	540	150			
	National	FINLAND	730	200	1470	400	
	National	GERMANY	730	200			
	National	PORTUGAL		400			
	National	NORWAY	734	200	917,5	250	
	National	BELGIUM	1461	400			
	NDS	POLAND	734				
	NDSCh	POLAND			1468		
	CHE	SWITZERLAND			1460	400	
	NDS	NETHERLANDS	734		1468		
	National	CZECH REPUBLIC	700				
	National	HUNGARY	734		1468		
	Malaysia OEL	MALAYSIA	1440	400			
	National	ESTONIA	500	150	1100	300	
	National	LATVIA	200	54	1468	400	
	National	CZECH REPUBLIC	C		900		
National	SLOVAKIA	C		1100			
National	SLOVAKIA	734	200				
National	SLOVENIA	1400	400	1400	400		
National	UNITED KINGDOM	734	200	1468	400		
National	BULGARIA	734	200	1468	400		
National	ROMANIA	400	111	500	139		
National	LITHUANIA	500	150				
National	LITHUANIA	C		1100	300		
National	CROATIA	734	200	1468	400		
hydrocarbones, C6, isoalkanes, <5% n-hexane	NDS	POLAND	500				
	NDSCh	POLAND			1500		
acetone; propan-2-one; propanone	SUVA	NNN	1200	500	2400	1000	
	National	SWEDEN	600	250	1200	500	SWEDEN, Short-term value, 15 minutes average value
	National	FINLAND	1200	500	1500	630	
	National	NORWAY	295	125			

	NDS	NNN	600					
	NDSch	NNN	1800					
	National	NORWAY	600	250	1200	500		
	EU	NNN	1210	500				
	ACGIH	NNN		250		500		A4, BEI - URT and eye irr, CNS impair
	DFG	GERMANY			2400	1000		
	ACGIH			250		500		A4 - Not Classifiable as a Human Carcinogen; CNS impairment; eye and upper respiratory tract irritation
	National	SWEDEN	600	250				
	National	FRANCE	1210	500	2420	1000		
	National	SPAIN	1210	500				
	National	GREECE	1780		3560			
	National	DENMARK	600	250				
	National	GERMANY	1200	500				
	National	PORTUGAL	1210	500		750		
	National	NORWAY	295	125	368,75	156,25		
	National	BELGIUM	1210	500	2420	1000		
	NDS	POLAND	600					
	NDSch	POLAND			1800			
	CHE	SWITZERLAND			2400	1000		
	NDS	NETHERLANDS	1210		2420			
	National	CZECH REPUBLIC	800					
	National	HUNGARY	1210		2420			
	Malaysia OEL	MALAYSIA	1187	500				
	National	ESTONIA	1210	500				
	National	LATVIA	1210	500				
	National	CZECH REPUBLIC			1500			
	National	SLOVAKIA	1210	500				
	National	SLOVENIA	1210	500				
	National	UNITED KINGDOM	1210	500	3620	1500		
	National	BULGARIA	600		1400			
	National	ROMANIA	1210	500				
	TUR	TURKEY	1210	500				
	National	LITHUANIA	1210	500	2420	1000		
	National	CROATIA	1210	500				
	EU		1210	500				Indicative
toluene	SUVA	NNN	190	50	760	200		
	National	SWEDEN	192	50	384	100		SWEDEN, Short term value, 15 minutes average value
	National	FINLAND	81	25	380	100		FINLAND, hud, buller
	National	NORWAY	94	25				NORWAY, H
	NDS	NNN	100					
	NDSch	NNN	200					
	National	NORWAY	94	25	188	50		
	EU	NNN	192	50	384	100		Skin
	ACGIH	NNN		20				A4, BEI - Visual impair, female repro, pregnancy loss

DFG	GERMANY	C			760	200		
ACGIH				20				A4 - Not Classifiable as a Human Carcinogen;female reproductive damage;pregnancy loss;visual impairment
National	SWEDEN		192	50				
EU			192	50	384	100	Indicative	Possibility of significant uptake through the skin
National	FRANCE		76,8	20	384	100		
National	SPAIN		192	50	384	100		
National	GREECE		192	50	384	100		
National	DENMARK		94	25				
National	FINLAND		81	25	380	100		
National	GERMANY		190	50				
National	PORTUGAL		192	50	384	100		
National	NORWAY		94	25	141	37,5		
National	BELGIUM		77	20	384	100		
NDS	POLAND		100					
NDSCh	POLAND				200			
CHE	SWITZERLAND				760	200		
NDS	NETHERLANDS		150		384			
National	CZECH REPUBLIC		200					
National	HUNGARY		190		380			
Malaysia OEL	MALAYSIA		188	50				Skin notation
National	ESTONIA		192	50	384	100		
National	LATVIA		50	14	150	40		
National	CZECH REPUBLIC	C			500			
National	SLOVAKIA	C			384			
National	SLOVAKIA		192	50				
National	SLOVENIA		192	50	384	100		
National	UNITED KINGDOM		191	50	384	100		
National	BULGARIA		192,0	50	384,0	100		
National	ROMANIA		192	50	384	100		
TUR	TURKEY		192	50	384	100		
National	LITHUANIA		192	50	384	100		
National	CROATIA		192	50	384	100		
rosin; colophony	National	FRANCE	0,1					
	National	CZECH REPUBLIC	1					
	National	LATVIA	4					
	National	ROMANIA	0,1					
	National	CROATIA	0,05		0,15			

Biological Exposure Index

CAS-No.	Component	Value	UoM	Medium	Biological Indicator	Sampling Period
67-64-1	acetone; propan-2-one; propanone	25	mg/L	Urine	Acetone	End of turn
108-88-3	toluene	0,02	mg/L	Blood	Toluene	Before last turn of the working week
		0,03	mg/L	Urine	Toluene	End of turn

Predicted No Effect Concentration (PNEC) values

Component	CAS-No.	PNEC Limit	Exposure Route	Exposure Frequency	Remark
ethyl acetate	141-78-6	0,26 mg/l	Fresh Water		PNEC
		0,026 mg/l	Marine water		PNEC
		1,65 mg/l	Intermittent release		PNEC
		1,25 mg/kg	Freshwater sediments		PNEC
		0,125 mg/kg	Marine water sediments		PNEC
		0,24 mg/kg	Soil		PNEC
		200 mg/kg	Oral		PNEC
acetone; propan-2-one; propanone	67-64-1	30,4 mg/kg	Freshwater sediments		
		3,04 mg/kg	Marine water sediments		
		10,6 mg/l	Fresh Water		
		1,06 mg/l	Marine water		
		29,5 mg/l	Soil		
		100 mg/l	Microorganisms in sewage treatments		
toluene	108-88-3	16,39 mg/kg	Freshwater sediments		PNEC
		2,31 mg/kg	Soil		PNEC
		16,39 mg/kg	Marine water sediments		PNEC
		0,68 mg/l	Fresh Water		PNEC
		0,68 mg/l	Marine water		PNEC
		0,68 mg/l	Intermittent release		PNEC
		6,58 mg/l	Microorganisms in sewage treatments		

Derived No Effect Level. (DNEL)

Component	CAS-No.	Worker Industrial	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
ethyl acetate	141-78-6		1468 mg/m3		Human Inhalation	Short Term, systemic effects	DNEL
				4,5 mg/kg	Human Oral	Long Term, systemic effects	DNEL
				367 mg/m3	Human Inhalation	Long Term, local effects	DNEL

		1468 mg/m3	Human Inhalation	Short Term, local effects	DNEL
		63 mg/kg	Human Dermal	Long Term, systemic effects	DNEL
		734 mg/m3	Human Inhalation	Long Term, systemic effects	DNEL
		734 mg/m3	Human Inhalation	Long Term, local effects	DNEL
		734 mg/m3	Human Inhalation	Short Term, systemic effects	DNEL
		734 mg/m3	Human Inhalation	Short Term, local effects	DNEL
		37 mg/kg	Human Dermal	Long Term, systemic effects	DNEL
		367 mg/m3	Human Inhalation	Long Term, systemic effects	DNEL
acetone; propan-2- one; propanone	67-64-1	186 mg/kg	Human Dermal	Long Term, systemic effects	
		2420 mg/m3	Human Inhalation	Short Term, systemic effects	
		1210 mg/m3	Human Inhalation	Long Term, systemic effects	
		62 mg/kg	Human Oral	Long Term, systemic effects	
		62 mg/kg	Human Dermal	Long Term, systemic effects	
		200 mg/m3	Human Inhalation	Long Term, systemic effects	
		2420 mg/m3	Human Inhalation	Short Term, local effects	
toluene	108-88-3	384 mg/m3	226 mg/kg	Human Dermal	Long Term, systemic effects
		192 mg/m3	56,5 mg/m3	Human Inhalation	Long Term, systemic effects
		8,13 mg/kg	Human Oral	Long Term, systemic effects	
		226 mg/kg	Human Dermal	Long Term, systemic effects	

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; EN 374:

Polychloroprene - CR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.

Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

Neoprene gloves are suggested (0,5 mm) not recommended gloves: not waterproof gloves

Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

In case of insufficient ventilation use mask with ABEKP filters (EN 14387).

Use adequate protective respiratory equipment.

Hygienic and Technical measures
N.A.
Appropriate engineering controls:
N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Liquid

Appearance and colour: Liquid light yellow

Odour: Characteristic

Odour threshold: N.A.

pH: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: 55 °C (131 °F)

Flash point: -18,1 °C (-0,6 °F)

Evaporation rate: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Vapour pressure: N.A.

Relative density: 0.86 g/cm³

Solubility in water: Insoluble

Partition coefficient (n-octanol/water): N.A. - This product is a mixture

Auto-ignition temperature: N.A. - No explosive or spontaneous ignition in contact with air at room temperature

Decomposition temperature: N.A.

Viscosity: 3,100.00 cPs

Explosive properties: N.A. - No components with explosive properties

Oxidizing properties: N.A. - No component with oxidizing properties

Solid/gas flammability: N.A.

9.2. Other information

No additional information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

ethyl acetate	a) acute toxicity	LC50 Inhalation Rat = 1600 mg/l
		LD50 Oral Rabbit = 4935 mg/kg
		LD50 Oral Rat = 11,3 g/kg
		LD50 Skin Rabbit > 20000 mg/kg
		LD50 Oral Mouse = 4100 mg/kg
		LD50 Skin Rabbit > 18000 mg/kg
		LC50 Inhalation Rat = 4000 ppm 4h
		LD50 Oral Rat = 5620 mg/kg

hydrocarbones, C6, isoalkanes, <5% n- hexane	a) acute toxicity	LD50 Skin Rabbit > 3160 mg/kg LC50 Inhalation Rat = 73680 ppm 4h LD50 Oral Rat > 5000 mg/kg
acetone; propan-2-one; propanone	a) acute toxicity	LD50 Oral Rat = 5800 mg/kg LD50 Skin Rabbit = 20000 mg/kg LC50 Inhalation Rat = 76 mg/l 4h LD50 Skin Rabbit > 15700 mg/kg LC50 Inhalation Rat = 50100 mg/m3 8h LD50 Oral Rat = 5800 mg/kg
toluene	a) acute toxicity	LC50 Inhalation Mouse = 5320 ppm LD50 Oral Rat = 5580 mg/kg LD50 Skin Rabbit = 12124 mg/kg LC50 Inhalation Rat 28,1 mg/l 4h LD50 Skin Rabbit = 12000 mg/kg LC50 Inhalation Rat = 12,5 mg/l 4h LD50 Oral Rat = 2600 mg/kg
rosin; colophony	a) acute toxicity	LD50 Oral Rat = 7600 mg/kg LD50 Skin Rabbit > 2500 mg/kg LC50 Inhalation Rat = 1,5 mg/l 4h

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
Toxicological kinetics, metabolism
and distribution information
- i) STOT-repeated exposure
- j) aspiration hazard

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
ethyl acetate	CAS: 141-78-6 - EINECS: 205-500-4 - INDEX: 607-022-00-5	a) Aquatic acute toxicity : EC50 Daphnia = 260 mg/L 48 a) Aquatic acute toxicity : LC50 Algae = 3300 mg/L 48 a) Aquatic acute toxicity : LC50 Fish = 230 mg/L 96 b) Aquatic chronic toxicity : LC50 Algae = 5600 mg/L 48

		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 220 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 484 mg/L 96h IUCLID
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 352 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 560 mg/L 48h EPA
acetone; propan-2-one; propanone	CAS: 67-64-1 - EINECS: 200-662-2 - INDEX: 606- 001-00-8	a) Aquatic acute toxicity : EC50 Daphnia = 6100 mg/L 48
		a) Aquatic acute toxicity : LC50 Fish = 5540 mg/L 96
		a) Aquatic acute toxicity : EC50 Algae = 302 mg/L 96
		a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 4,74 mL/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 6210 mg/L 96h IUCLID
		a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 8300 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 10294 mg/L 48h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 12600 mg/L 48h IUCLID
		G : LC50 Avian Phasianus colchicus > 40000 ppm 5d IUCLID
		G : LC50 Avian Coturnix coturnix japonica > 40000 ppm 5d IUCLID
		d) Terrestrial toxicity : LC50 Worm Eisenia foetida 200 µg/cm2 48h IUCLID
toluene	CAS: 108-88-3 - EINECS: 203-625-9 - INDEX: 601- 021-00-3	a) Aquatic acute toxicity : LC50 Daphnia = 3,78 mg/L 48
		a) Aquatic acute toxicity : EC50 Fish = 57,68 mg/L 96
		a) Aquatic acute toxicity : EC50 Algae = 134 mg/L 3
		a) Aquatic acute toxicity : LC50 Fish = 5,5 mg/L 96
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 15,22 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 12,6 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 5,89 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 14,1 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 5,8 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus 11 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Oryzias latipes = 54 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata = 28,2 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata 50,87 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 5,46 mg/L 48h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 11,5 mg/L 48h IUCLID
		a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata > 433 mg/L 96h IUCLID
		a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata = 12,5 mg/L 72h EPA
rosin; colophony	CAS: 8050-09-7 - EINECS: 232-475-7 - INDEX: 650-015-00-7	a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 400 mg/L 72h IUCLID
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 3,8 mg/L 48h IUCLID

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT/vPvB Ingredients are present

12.6. Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

A waste code according to European waste catalogue (EWC) cannot be specified, due to dependence on the usage. Contact an authorized waste disposal service.

Product:

Do not dispose of waste into sewers.

Do not contaminate ponds, waterways or ditches with chemical or used container.

Send to an authorized waste disposal service.

Contaminated packaging:

Empty remaining content.

Dispose of as unused product.

Do not re-use empty containers.

SECTION 14: Transport information

14.1. UN number

1133

14.2. UN proper shipping name

ADR-Shipping Name: ADHESIVES

IATA-Technical name: ADHESIVES

IMDG-Technical name: ADHESIVES

14.3. Transport hazard class(es)

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

14.4. Packing group

ADR-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

14.5. Environmental hazards

Toxic Component most present: Aliphatic hydrocarbons

Marine pollutant: Yes

Environmental Pollutant: Yes

14.6. Special precautions for user

Road and Rail (ADR-RID) :

ADR exempt: No

ADR-Label: 3

ADR-Hazard identification number: 33

ADR-Special Provisions: 640C

ADR-Transport category (Tunnel restriction code): 2 (D/E)

Air (IATA) :

IATA-Passenger Aircraft: 353

IATA-Cargo Aircraft: 364

IATA-Label: 3

IATA-Subsidiary hazards: -

IATA-Erg: 3L

IATA-Special Provisioning: A3

Sea (IMDG) :

IMDG-Stowage Code: Category B

IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: -

IMDG-Page: N/A

IMDG-Label: N/A

IMDG-EMS: F-E, S-D

IMDG-MFAG: N/A

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

N.A.

SECTION 15: Regulatory information

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

VOC (2004/42/EC) : N.A. g/l

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) 2015/830

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1	Lower-tier threshold (tonnes)	Upper-tier threshold (tonnes)
Products belongs to category P5c	5000	50000
Products belongs to category E2	200	500

German Water Hazard Class.

1

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40

Restrictions related to the substances contained: 48

SVHC Substances:

No data available

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
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.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
3.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1-1A-1B	Skin Sens. 1,1A,1B	Skin Sensitisation, Category 1,1A,1B
3.7/2	Repr. 2	Reproductive toxicity, Category 2
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
3.9/2	STOT RE 2	Specific target organ toxicity — repeated exposure, Category 2
4.1/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
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2.6/2	On basis of test data
3.2/2	Calculation method
3.3/2	Calculation method
3.7/2	Calculation method
3.8/3	Calculation method
4.1/C2	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- 2. HAZARDS IDENTIFICATION
- 5. FIRE-FIGHTING MEASURES
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 13. DISPOSAL CONSIDERATIONS
- 15. REGULATORY INFORMATION