

## Safety Data Sheet

### ACRIPLAST

Safety Data Sheet dated: 17/01/2020 - version 2



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

### 1.1. Product identifier

Mixture identification:

Trade name: ACRIPLAST

Trade code: 7LACRIP20

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

Recommended use: Liquid sheath

Uses advised against: N.A.

### 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. 3 Flammable liquid and vapour.

Skin Irrit. 2 Causes skin irritation.

Aquatic Chronic 3 Harmful 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



Warning

#### Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H412 Harmful 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.

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370+P378 In case of fire, use a foam fire extinguisher to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

#### 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: ACRIPLAST

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

Quantity	Name	Ident. Numb.	Classification	Registration Number
≥20 - <25 %	xylene	CAS:1330-20-7 EC:215-535-7 Index:601-022-00-9	Flam. Liq. 3, H226; Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Irrit. 2, H315	01-2119488216-32-xxxx
≥5 - <10 %	hydrocarbons C9 aromatics	CAS:64742-95-6 EC:918-668-5	Flam. Liq. 3, H226; Aquatic Chronic 2, H411; Asp. Tox. 1, H304; STOT SE 3, H335; STOT SE 3, H336	01-2119455851-35-xxxx
≥1 - <2.5 %	n-butyl acetate	CAS:123-86-4 EC:204-658-1 Index:607-025-00-1	Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	01-2119485493-29-xxxx
≥0.1 - <0.25 %	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
≥0.1 - <0.25 %	heptane; n-heptane	CAS:142-82-5 EC:205-563-8 Index:601-008-00-2	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	01-2119475515-33-xxxx

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

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:

In case of fire, use a foam fire extinguisher to extinguish.

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

Always keep in a well ventilated place.

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
xylene	SUVA	NNN		221	50	442	100		
	National	SWEDEN		221	50	442	100		SWEDEN, Short term value, 15 minutes average value
	National	FINLAND		220	50	440	100		FINLAND, hud
	National	NORWAY		108	25				NORWAY, H
	NDS	NNN		100					
	National	NORWAY		109	25	218	50		
	EU	NNN		221	50	442	100		Skin
	National	POLAND		100		350			
	ACGIH	NNN			100		150		A4, BEI - URT and eye irr, CNS impair

	DFG	GERMANY	C		880	200		
	ACGIH			100		150		A4 - Not Classifiable as a Human Carcinogen; CNS impairment; eye and upper respiratory tract irritation
	National	SWEDEN		221	50			
	National	FRANCE		221	50	442	100	
	National	SPAIN		221	50	442	100	
	National	GREECE		435	100	650	150	
	National	DENMARK		109	25			
	National	FINLAND		220	50	440	100	
	National	GERMANY		440	100			
	National	PORTUGAL		221	50	442	100	
	National	NORWAY		108	25	135	37,5	
	National	BELGIUM		221	50	442	100	
	NDS	POLAND		100				
	NDSCh	POLAND				200		
	CHE	SWITZERLAND				870	200	
	NDS	NETHERLANDS		210		442		
	National	CZECH REPUBLIC		200				
	National	HUNGARY		221		442		
	Malaysia OEL	MALAYSIA		434	100			
	National	ESTONIA		200	50	450	100	
	National	LATVIA		221	50	442	100	
	National	CZECH REPUBLIC	C			400		
	National	SLOVAKIA	C			442		
	National	SLOVAKIA		221	50			
	National	SLOVENIA		221	50	442	100	
	National	UNITED KINGDOM		220	50	441	100	
	National	BULGARIA		221,0	50	442	100	
	National	ROMANIA		221	50	442	100	
	TUR	TURKEY		221	50	442	100	
	National	LITHUANIA		221	50	442	100	
	National	CROATIA		221	50	442	100	
	EU			221	50	442	100	Indicative Possibility of significant uptake through the skin (pure)
hydrocarbons C9 aromatics	ACGIH	NNN		100	19			
n-butyl acetate	SUVA	NNN		480	100	960	200	
	National	SWEDEN		500	100	700	150	SWEDEN, Short-term value, 15 minutes average value
	NDS	NNN		200				
	NDSCh	NNN		950				
	ACGIH	NNN			50		150	Eye and URT irr
	National	NORWAY		710	150	1420	300	
	DFG	GERMANY	C			960	200	
	ACGIH				50		150	eye and upper respiratory tract irritation (listed under Butyl acetates, all isomers)
	National	SWEDEN		500	100			
	National	FRANCE		710	150	940	200	

	National	SPAIN		724	150	965	200	
	National	GREECE		710	150	950	200	
	National	DENMARK		710	150			
	National	FINLAND		720	150	960	200	
	National	GERMANY		300	62			
	National	PORTUGAL			150		200	
	National	BELGIUM		723	150	964	200	
	NDS	POLAND		240				
	NDSch	POLAND				720		
	CHE	SWITZERLAND				960	200	
	National	CZECH REPUBLIC		950				
	National	HUNGARY		950		950		
	Malaysia OEL	MALAYSIA		713	150			
	National	LATVIA		200				
	National	CZECH REPUBLIC	C			1200		
	National	SLOVAKIA	C			700		
	National	SLOVAKIA		500	100			
	National	SLOVENIA		480	100	480	100	
	National	UNITED KINGDOM		724	150	966	200	
	National	BULGARIA		710		950		
	National	ROMANIA		715	150	950	200	
	National	CROATIA		724	150	966	200	
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	
heptane; n-heptane	NDS	NNN		1200				
	National	SWEDEN		800	200	1200	300	SWEDEN, Short-term value, 15 minutes average value
	National	NORWAY		800	200			
	NDSCh	NNN		2000				
	National	NORWAY		820	200	1640	400	
	EU	NNN		2085	500			
	ACGIH	NNN			400		500	CNS impair, URT irr
	DFG	GERMANY	C			2100	500	
	ACGIH				400		500	CNS impairment (listed under Heptane, all isomers);upper respiratory tract irritation (listed under Heptane, all isomers)
	National	SWEDEN		800	200			
	National	FRANCE		1668	400	2085	500	
	National	SPAIN		2085	500			
	National	GREECE		2000	500	2000	500	
	National	DENMARK		820	200			
	National	FINLAND		1200	300	2100	500	
	National	GERMANY		2100	500			
	National	PORTUGAL		2085	500		500	
	National	NORWAY		800	200	1000	250	
	National	BELGIUM		1664	400	2085	500	
	NDS	POLAND		1200				
	NDSCh	POLAND				2000		
	CHE	SWITZERLAND				1600	400	
	NDS	NETHERLANDS		1200		1600		
	National	CZECH REPUBLIC		1000				
	National	HUNGARY		2000				

Malaysia OEL	MALAYSIA	1640	400			
National	ESTONIA	2085	500			
National	LATVIA	350	85	2085	500	
National	CZECH REPUBLIC	C		2000		
National	SLOVAKIA	2085	500			
National	SLOVENIA	2085	500			
National	UNITED KINGDOM	2085	500	6255	1500	
National	BULGARIA	1600				
National	ROMANIA	2085	500			
TUR	TURKEY	2085	500			
National	LITHUANIA	2085	500	3128	750	
National	CROATIA	2085	500			
EU		2085	500			Indicative

#### Biological Exposure Index

CAS-No.	Component	Value	UoM	Medium	Biological Indicator	Sampling Period
1330-20-7	xylene	1,5	GGCREAT	Urine	Methyl uric Acid	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
		0,3	MGGCREAT	Urine	O-Cresol	End of turn

#### Predicted No Effect Concentration (PNEC) values

Component	CAS-No.	PNEC Limit	Exposure Route	Exposure Frequency	Remark
xylene	1330-20-7	0,327	Fresh Water		
		mg/l			
		0,327	Marine water		
		mg/l			
		12,46	Freshwater sediments		
		mg/kg			
		12,46	Marine water sediments		
mg/kg					
n-butyl acetate	123-86-4	2,31	Soil		
		mg/kg			
		6,58	Microorganisms in sewage treatments		
		mg/l			
		0,327	Intermittent release		
		mg/l			
		1,18	Fresh Water		
mg/l					
n-butyl acetate	123-86-4	0,018	Marine water		
		mg/l			
		0,981	Freshwater sediments		
		mg/kg			
		0,0981	Marine water sediments		
		mg/kg			
		0,36	Intermittent release		
mg/l					
n-butyl acetate	123-86-4	0,0903	Soil		
		mg/kg			

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	PNEC

#### Derived No Effect Level. (DNEL)

Component	CAS-No.	Worker Industrial	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
xylene	1330-20-7	289 mg/m3		174 mg/m3	Human Inhalation	Short Term	systemic effects
		289 mg/m3		174 mg/m3	Human Inhalation	Short Term	local effects
		180 mg/kg		108 mg/l	Human Dermal	Long Term	systemic effects
		77 mg/m3		14,8 mg/m3	Human Inhalation	Long Term	systemic effects
				1,6 mg/kg	Human Oral	Long Term	systemic effects
hydrocarbons C9 aromatics	64742-95-6			11 mg/kg	Human Oral	Long Term	systemic effects
				32 mg/m3	Human Inhalation	Long Term	systemic effects
		150 mg/m3			Human Inhalation	Long Term	systemic effects
				11 mg/kg	Human Dermal	Long Term	systemic effects
		25 mg/kg			Human Dermal	Long Term	systemic effects
n-butyl acetate	123-86-4	960 mg/m3			Human Inhalation	Short Term	systemic effects
		960 mg/m3			Human Inhalation	Short Term	local effects
		480 mg/m3			Human Inhalation	Long Term	systemic effects
		480 mg/m3			Human Inhalation	Long Term	local effects
				859,7 mg/m3	Human Inhalation	Short Term	systemic effects
				859,7 mg/m3	Human Inhalation	Short Term	local effects
				102,34 mg/m3	Human Inhalation	Long Term	systemic effects
				102,34 mg/m3	Human Inhalation	Long Term	local effects



toluene	108-88-3	384	226	Human	Long Term, systemic
		mg/m3	mg/kg	Dermal	effects
	192	56,5	Human	Long Term, systemic	
	mg/m3	mg/m3	Inhalation	effects	
		8,13	Human Oral	Long Term, systemic	
		mg/kg		effects	
		226	Human	Long Term, systemic	
		mg/kg	Dermal	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).

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 Black

Odour: N.A.

Odour threshold: N.A.

pH: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: 144 °C (291 °F)

Flash point: 23 °C (73 °F)

Evaporation rate: N.A.

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

Vapour density: N.A.

Vapour pressure: N.A.

Relative density: N.A.

Solubility in water: Insoluble

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

Auto-ignition temperature: 450.00 °C - No explosive or spontaneous ignition in contact with air at room temperature

Decomposition temperature: N.A.

Viscosity: N.A.

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:

xylene	a) acute toxicity	LC50 Inhalation Rat = 26 mg/l 4h LD50 Oral Rat = 3523 mg/kg LD50 Skin Rat = 4350 mg/kg LD50 Skin Rabbit > 4350 mg/kg LC50 Inhalation Rat = 29,08 mg/l 4h LD50 Oral Rat = 3500 mg/kg
hydrocarbons C9 aromatics	a) acute toxicity	LD50 Skin Rabbit > 2000 mg/kg  LC50 Inhalation Rat = 3400 ppm 4h LD50 Oral Rat = 8400 mg/kg
n-butyl acetate	a) acute toxicity  g) reproductive toxicity	LC50 Inhalation Rat = 21,1 mg/l 4h LD50 Oral Rat > 6400 mg/kg LD50 Skin Rabbit > 5000 mg/kg LD50 Skin Rabbit > 17600 mg/kg LC50 Inhalation Rat = 390 ppm 4h LD50 Oral Rat = 10768 mg/kg  NOAEC = 2000 ppm
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
heptane; n-heptane	a) acute toxicity	LD50 Skin Rabbit = 3000 mg/kg LC50 Inhalation Rat = 103 g/m <sup>3</sup> 4h LD50 Oral Mouse = 5000 mg/kg

**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:

Harmful 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
xylene	CAS: 1330-20-7 - EINECS: 215-535-7 - INDEX: 601-022-00-9	a) Aquatic acute toxicity : LC50 Fish = 13,5 mg/L  a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 13,4 mg/L 96h EPA  a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 2,661 mg/L 96h EPA  a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 13,5 mg/L 96h IUCLID  a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus 13,1 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 19 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus 7,711 mg/L 96h EPA  a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 23,53 mg/L 96h EPA  a) Aquatic acute toxicity : LC50 Fish Cyprinus carpio = 780 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Cyprinus carpio > 780 mg/L 96h IUCLID a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata 30,26 mg/L 96h EPA a) Aquatic acute toxicity : EC50 Daphnia water flea = 3,82 mg/L 48h a) Aquatic acute toxicity : LC50 Daphnia Gammarus lacustris = 0,6 mg/L 48h
hydrocarbons C9 aromatics	CAS: 64742-95-6 - EINECS: 918-668-5	a) Aquatic acute toxicity : LC50 Fish mg/L 96  a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 9,22 mg/L 96h IUCLID  a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 6,14 mg/L 48h IUCLID  G : LC50 Avian Colinus virginianus > 6500 ppm 5d IUCLID G : LD50 Avian Colinus virginianus > 2250 mg/kg IUCLID
n-butyl acetate	CAS: 123-86-4 - EINECS: 204-658-1 - INDEX: 607-025-00-1	a) Aquatic acute toxicity : LC50 Fish = 18 mg/L 96  a) Aquatic acute toxicity : EC50 Daphnia = 44 mg/L 48 a) Aquatic acute toxicity : EC50 Algae = 675 mg/L 72 a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 100 mg/L 96h EPA  a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 17 mg/L 96h EPA a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 674,7 mg/L 72h IUCLID
toluene	CAS: 108-88-3 - EINECS: 203-625-9 - INDEX: 601-	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

heptane; n-heptane

CAS: 142-82-5 - EINECS: 205-563-8 - INDEX: 601-008-00-2

- a) Aquatic acute toxicity : LC50 Fish = 375 mg/L 96

- a) Aquatic acute toxicity : EC50 Daphnia = mg/L 48
- a) Aquatic acute toxicity : LC50 Algae = mg/L 72
- a) Aquatic acute toxicity : LC50 Fish Cichlid fish = 375 mg/L 96h

## 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**

1263

### **14.2. UN proper shipping name**

ADR-Shipping Name: PAINT or PAINT RELATED MATERIAL

IATA-Technical name: PAINT or PAINT RELATED MATERIAL

IMDG-Technical name: PAINT or PAINT RELATED MATERIAL

### **14.3. Transport hazard class(es)**

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

### **14.4. Packing group**

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

### **14.5. Environmental hazards**

Marine pollutant: No

Environmental Pollutant: No

### **14.6. Special precautions for user**

Road and Rail ( ADR-RID ) :

ADR-Label: 3

ADR-Hazard identification number: -

ADR-Special Provisions: 163 367 650

ADR-Transport category (Tunnel restriction code): 3 (E)

Air ( IATA ) :

IATA-Passenger Aircraft: 355

IATA-Cargo Aircraft: 366

IATA-Label: 3

IATA-Subsidiary hazards: -

IATA-Erg: 3L

IATA-Special Provisioning: A3 A72 A192

Sea ( IMDG ) :

IMDG-Stowage Code: Category A

IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 163 223 367 955

IMDG-EMS: F-E, S-E

### **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) : 384,19 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)

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

**German Water Hazard Class.**

2

**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.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H335	May cause respiratory 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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.1/4/Dermal	Acute Tox. 4	Acute toxicity (dermal), Category 4
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
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/A1	Aquatic Acute 1	Acute aquatic hazard, category 1
4.1/C1	Aquatic Chronic 1	Chronic (long term) aquatic hazard, category 1
4.1/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3

**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
2.6/3	On basis of test data
3.2/2	Calculation method
4.1/C3	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:**

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