

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023 Version number 2 (replaces version 1) Revision: 23.01.2023

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

· 1.1 Product identifier

· Trade name: AKS System Fillers, Component I

· Article number: 60001

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

No further relevant information available.

· Application of the substance / the

Knife filler/ Surfacer mixture Polyester resin

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH

Laboratory

Lechstrasse 28 D 90451 Nürnberg

Tel. +49(0)911-642960 Fax. +49(0)911-644456 e-mail info@akemi.de

· Further information obtainable

1.4 Emergency telephone

number: Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH

Tel. +49(0)911-64296-59

Reachable during the following office hours: Monday – Thursday from 07:30 a.m. to 16:30 p.m.

Friday from 07:30 a.m. to 13:30 p.m.

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.

Skin Irrit. 2 H315 Causes skin irritation.

Eve Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Repr. 2 H361d Suspected of damaging the unborn child.

STOT RE 1 H372 Causes damage to the hearing organs through prolonged or repeated exposure.

2.2 Label elements

Labelling according to Regulation

(EC) No 1272/2008 Hazard pictograms

The product is classified and labelled according to the CLP regulation.







GHS02 GHS07 GHS08

· Signal word Danger

· Hazard-determining components of

labelling: styrene

maleic anhydride

· Hazard statements H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H361d Suspected of damaging the unborn child.

H372 Causes damage to the hearing organs through prolonged or repeated exposure.

P101 If medical advice is needed, have product container or label at · Precautionary statements

hand.

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P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P210 Keep away from heat, hot surfaces, sparks, open flames and

other ignition sources. No smoking.

P260 Do not breathe vapours.

P280 Wear protective gloves / eye protection.

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.

P314 Get medical advice/attention if you feel unwell.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/

regional/national/international regulations.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable. · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 100-42-5 EINECS: 202-851-5 Index number: 601-026-00-0 Reg.nr.: 01-2119457861-32	styrene Flam. Liq. 3, H226 Repr. 2, H361d; STOT RE 1, H372; Asp. Tox. 1, H304 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Aquatic Chronic 3, H412	12.5-25%
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46	ethyl acetate Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	<1%
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3 Reg.nr.: 01-2119471310-51	toluene Flam. Liq. 2, H225 Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336 Aquatic Chronic 3, H412	<1%
CAS: 108-31-6 EINECS: 203-571-6 Index number: 607-096-00-9 Reg.nr.: 01-2119472428-31	maleic anhydride Resp. Sens. 1, H334; STOT RE 1, H372 Skin Corr. 1B, H314; Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Sens. 1A, H317 EUH071 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	<1%
· Additional information:	For the wording of the listed hazard phrases refer to section 16.	

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

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· After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm.

Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for

transportation.

· After skin contact: Clean with water and soap. If possible, also wash with polyethylene glycol 400. · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist,

consult a doctor.

Do not induce vomiting; call for medical help immediately. · After swallowing:

 4.2 Most important symptoms and effects, both acute and

delayed Nausea

> Dizziness Headache

· 4.3 Indication of any immediate medical attention and special

treatment needed If swallowed, gastric irrigation with added, activated carbon.

SECTION 5: Firefighting measures

5.1 Extinguishing media

· Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol

resistant foam.

· For safety reasons unsuitable

Water with full jet extinguishing agents:

5.2 Special hazards arising from

the substance or mixture In case of fire, the following can be released:

Carbon monoxide (CO)

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

· Protective equipment: Mount respiratory protective device.

Dispose of fire debris and contaminated fire fighting water in accordance with Additional information

official regulations.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and

emergency procedures Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage

system.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for

containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal

binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· 6.4 Reference to other sections See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe

handling Ensure good ventilation/exhaustion at the workplace.

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· Information about fire - and

explosion protection: Keep ignition sources away - Do not smoke.

· 7.2 Conditions for safe storage, including any incompatibilities

Storage:

· Requirements to be met by

storerooms and receptacles: Store in a cool location.

Information about storage in one

common storage facility: Not required.

· Further information about storage

conditions: Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed receptacles.

· Storage class: 3

• 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:	
141-78-6 ethyl acetate	
IOELV Short-term value: 1468 mg/m³, 400 ppm	
Long-term value: 734 mg/m³, 200 ppm	
108-88-3 toluene	
IOELV Short-term value: 384 mg/m³, 100 ppm	
Long-term value: 192 mg/m³, 50 ppm	
Skin	
DAIS	

· <u>DNELs</u>			
100-42-5	100-42-5 styrene		
Oral	Oral DNEL (Langzeit-wiederholt) 2.1 mg/kg bw/day (BEV)		
Dermal	DNEL (Langzeit-wiederholt)	406 mg/kg bw/day (ARB)	
		343 mg/kg bw/day (BEV)	
Inhalative	DNEL (Kurzzeit-akut)	289-306 mg/m³ Air (ARB)	
		174.25-182.75 mg/m³ Air (BEV)	
	DNEL (Langzeit-wiederholt)	85 mg/m³ Air (ARB)	
		10.2 mg/m³ Air (BEV)	
141-78-6	ethyl acetate		
Oral	DNEL (Langzeit-wiederholt)	4.5 mg/kg bw/day (BEV)	
Dermal	DNEL (Langzeit-wiederholt)	63 mg/kg bw/day (ARB)	
		37 mg/kg bw/day (BEV)	
Inhalative	DNEL (Kurzzeit-akut)	1,468 mg/m³ Air (ARB)	
		734 mg/m³ Air (BEV)	
	DNEL (Langzeit-wiederholt)	734 mg/m³ Air (ARB)	
		367 mg/m³ Air (BEV)	
108-88-3 1	108-88-3 toluene		
Oral	DNEL (Langzeit-wiederholt)	8.13 mg/kg bw/day (BEV)	
Dermal	DNEL (Langzeit-wiederholt)	384 mg/kg bw/day (ARB)	
		226 mg/kg bw/day (BEV)	
Inhalative	DNEL (Kurzzeit-akut)	384 mg/m³ Air (ARB)	
		226 mg/m³ Air (BEV)	
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ide name:	AKS System Fillers, Compo	onent I		
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	DNEL (Langzeit-wiederholt)	192 mg/m³ Air (ARB)		
		56.5 mg/m³ Air (BEV)		
	naleic anhydride			
Oral	DNEL (Langzeit-wiederholt)	0.06 mg/kg bw/day (BEV)		
Dermal	DNEL (Kurzzeit-akut)	0.04 mg/kg bw/day (ARB)		
	DNEL (Langzeit-wiederholt)	0.2 mg/kg bw/day (ARB)		
		0.1 mg/kg bw/day (BEV)		
Inhalative	DNEL (Kurzzeit-akut)	0.2 mg/m³ Air (ARB)		
	DNEL (Langzeit-wiederholt)	0.081 mg/m³ Air (ARB)		
		0.08 mg/m³ Air (BEV)		
PNECs				
100-42-5 s				
PNEC (wä	ssrig) 5 mg/l (KA)			
	0.014 mg/l (MW)			
	0.028 mg/l (SW)			
	0.04 mg/l (WAS)			
PNEC (fes	t) 0.2 mg/kg Trockengev	v (BO)		
	0.307 mg/kg Trockeng	gew (MWS)		
	0.614 mg/kg Trockeng	gew (SWS)		
	thyl acetate			
PNEC (wä	ssrig) 650 mg/l (KA)			
	0.024 mg/l (MW)			
	0.24 mg/l (SW)			
	1.65 mg/l (WAS)			
PNEC (fes	t) 0.148 mg/kg Trockeng	gew (BO)		
	0.115 mg/kg Trockeng	gew (MWS)		
		1.15 mg/kg Trockengew (SWS)		
108-88-3 t				
PNEC (wä	ssrig) 13.61 mg/l (KA)			
	0.68 mg/l (MW)			
	0.68 mg/l (SW)			
	0.68 mg/l (WAS)			
PNEC (fes	,			
	16.39 mg/kg Trockeng	,		
	16.39 mg/kg Trockeng	gew (SWS)		
	naleic anhydride			
PNEC (wä	ssrig) 44.6 mg/l (KA)			
	0.0038 mg/l (MW)			
	0.038 mg/l (SW)			
	0.4281 mg/l (WAS)			
PNEC (fes	,	• •		
	0.0296 mg/kg Trocken			
	0.296 mg/kg Trockeng			
Additional	information: The	lists valid during the making were used as basis.	(Contd. on page	

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· 8.2 Exposure controls

· Appropriate engineering controls No further data; see item 7.

· Individual protection measures, such as personal protective equipment

· General protective and hygienic

measures: The usual precautionary measures are to be adhered to when handling

chemicals.

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Do not eat, drink, smoke or sniff while working.

Clean skin thoroughly immediately after handling the product.

Use skin protection cream for skin protection.

· Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of

intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

Filter A/P2

• <u>Hand protection</u> Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

Skin protection agent recommendation for preventive skin shelter without use of

protective gloves:

ARRETIL (http://www.stoko.com)

Skin protection agent recommendation for preventive skin shelter in application

and combination of protective gloves: STOKO EMULSION (http://www.stoko.com)

Skin protection recommendation for skin cleaning after product handling:

Kresto Classic (http://debstoko.com)

Skin protection agent recommendation for skin aftercare:

STOKO VITAN (http://www.stoko.com)



Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory anylyses of the company KCL GmbH in compliance with EN374.

This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: http://www.kcl.de).

· Material of gloves Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the

protective gloves and has to be observed.

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Value for the permeation: Level \leq 1, 30 min

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 For the permanent contact gloves made of the following materials are

suitable:

Butyl rubber, BR

Butoject (KCL, Art_No. 897, 898)

· As protection from splashes gloves made of the following materials are

suitable:

Butoject (KCL, Art_No. 897, 898)

Butyl rubber, BR

· Not suitable are gloves made of the following materials:

Leather gloves

Strong material gloves

Eye/face protection

Tightly sealed goggles

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties

· General Information

· Colour: Different according to colouring

• Odour: Specific type
• Melting point/freezing point: Undetermined.

· Boiling point or initial boiling point and boiling range 145 °C

· Lower and upper explosion limit

 · Lower:
 1.2 Vol %

 · Upper:
 8.9 Vol %

 · Flash point:
 32 °C

 · Ignition temperature:
 480 °C

· pH Not determined.
Not applicable

· Viscosity:

Kinematic viscosity
 Dynamic at 20 °C:
 Not determined.
 4,500 mPas

Solubility

· water: Not miscible or difficult to mix.

· Vapour pressure at 20 °C: 6 hPa

· Density and/or relative density

Density at 20 °C: 2.06 g/cm³ ([2,01-2,06 g/cm³])

9.2 Other information

· Appearance:

· Form: Fluid

· Important information on protection of health and

environment, and on safety.

<u>Auto-ignition temperature:</u> Product is not selfigniting.

Explosive properties: Product is not explosive. However, formation of explosive air/

vapour mixtures are possible.

· Solvent content:

· Organic solvents: 16.4 % · Solids content: 75.9 %

· Information with regard to physical hazard classes

Explosives Void
Flammable gases Void
Aerosols Void

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· Oxidising gases Void · Gases under pressure Void

· Flammable liquids Flammable liquid and vapour.

· Flammable solids Void
· Self-reactive substances and mixtures
Void
· Pyrophoric liquids Void

Pyrophoric liquids
 Pyrophoric solids
 Void
 Self-heating substances and mixtures
 Void

· Substances and mixtures, which emit flammable

gases in contact with water

Void

Oxidising liquids

Oxidising solids

Organic peroxides

Corrosive to metals

Desensitised explosives

SECTION 10: Stability and reactivity

• 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability Thermal decomposition /

conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous

<u>reactions</u> Exothermic polymerisation.

Reacts with peroxides and other radical forming substances.

Reacts with strong alkali. Reacts with strong acids.

Reacts with strong oxidising agents.

• 10.4 Conditions to avoid
• 10.5 Incompatible materials:

Reacts with strong oxidising agents.

No further relevant information available.

· 10.6 Hazardous decomposition

products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Inhalative LC50/4 h 75.1 mg/l (rat)

100-42-3 Stylene		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat) (OECD-Prüfrichtlinie 402)
Inhalative	LC50/4h	9.5 mg/m3 (mouse)
		11,800 mg/m3 (rat)
	LC50/4 h	11.8 mg/l (rat)
	NOAEC	4.34 mg/l (rat)

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141-78-6	ethyl acetate	
Oral	LD50	4,100 mg/kg (mouse)
		5,620 mg/kg (rat)
		4,934 mg/kg (rbt)
	NOAEL-Werte	900 mg/kg (rat)
Dermal	LD50	>18,000 mg/kg (rabbit)
Inhalative	LC50	58 mg/l (rat)
	LC50/4 h	1,600 mg/l (rat)
	LC50/1h	200 mg/l (rat)
	LC50/8h	5.86 mg/l (rat)
	LC50/48h	333 mg/l (Leuciscus idus)
108-88-3 t	oluene	
Oral	LD50	5,580 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/l (mus)
		25.7-30 mg/l (rat)
108-31-6 r	maleic anhydri	de
Oral	LD50	1,090-2,620 mg/kg (rabbit)
		400-480 mg/kg (rat)
Dermal	LD50	2,620 mg/kg (rabbit)
Inhalative	LC50/1h	>4.35 mg/l (rat)
	LC50/48h	138 mg/l (lem)
Claire a a ma	oion/irritation	Causes akin irritation

Skin corrosion/irritation
 Serious eye damage/irritation
 Respiratory or skin sensitisation
 Causes skin irritation.
 Causes serious eye irritation.
 May cause an allergic skin reaction.

• Germ cell mutagenicity
• Carcinogenicity

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

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

Reproductive toxicity Suspected of damaging the unborn child.

• STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Causes damage to the hearing organs through prolonged or repeated exposure.

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

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· <u>A</u> quatic toxi	· <u>Aquatic toxicity:</u>	
100-42-5 st	yrene	
EC50/96h	6.3 mg/l (Pseudokirchneriella subcapitata)	
EC50	500 mg/l (BES) (ISO Vorschrift 8192-1986 E)	
	5.5 mg/l (Photobac. phosphoreum)	
IC50/72h	4.9 mg/l (green alge)	
	1.4 mg/l (selenastrum capricornutum)	
IC5/8d	>200 mg/l (Scenedesmus quadricauda)	
EC10/16h	EC10/16h 72 mg/l (pseudomonas putida)	
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EC50/16h	>72 mg/l (popudomonos putido)	(Contd. of pa
EC50/1611 EC50/8d	>72 mg/l (pseudomonas putida)	
	>200 mg/l (Scenedesmus quadricauda)	
EC50/72u	>1-<10 mg/l (green alge)	
EC20/0.5h	140 mg/l (BES) (OECD 209)	
NOEC/21d	1.01 mg/l (daphnia magna)	
EC10	0.28 mg/l (Pseudokirchneriella subcapitata) (EPA OTS 797.1050)	
EC50/48h	0.56 mg/l (green alge)	
-050/705	3.3-7.4 mg/l (daphnia magna)	
EC50/72h	0.46-4.3 mg/l (Pseudokirchneriella subcapitata)	
_C50/96h	>1-<10 mg/l (piscis)	
	19.03-33.53 mg/l (lem)	
	3.24-4.99 mg/l (pimephales promelas)	
	6.75-14.5 mg/l (Pimephales promelas)	
	58.75-95.32 mg/l (poecilia reticulata)	
_C50/72h	4.9 mg/l (green alge)	
141-78-6 eth	•	
EC50/96h	220 mg/l (Pimephales promelas)	
EC10/18h	2,900 mg/l (pseudomonas putida)	
EC50/48h	610 mg/l (daphnia magna) (DIN 38412)	
	5,600 mg/l (Desmodesmus subspicatus)	
C50/48h	3,300 mg/l (Scenedesmus subspicatus)	
_C 0	29.3 mg/l (rat)	
NOELR/72h	>100 mg/l (Desmodesmus subspicatus)	
NOEC/21d	2.4 mg/l (daphnia magna)	
EC10	2,900 mg/l (pseudomonas putida)	
EC50/48h	3,300 mg/l (Scenedesmus subspicatus)	
_C50/96h	230 mg/l (Oncorhynchus mykiss)	
	230 mg/l (Pimephales promelas)	
108-88-3 tol	uene	
EC50/24h	84 mg/l (BES)	
EC50/96h	>433 mg/l (Pseudokirchneriella subcapitata)	
C50/72h	12 mg/l (Pseudokirchneriella subcapitata) (lit.)	
	12 mg/l (Selenastrum capricornutum) (lit.)	
EC50/48h	5.46-11.5 mg/l (daphnia magna) (lit.)	
NOEC	0.74 mg/kg (daphnia magna)	
EC50/48h	3.78 mg/l (daphnia magna)	
EC50/72h	10 mg/l (green alge)	
	12.5 mg/l (Pseudokirchneriella subcapitata)	
_C50/96h	5.5 mg/l (piscis)	
	11-15 mg/l (lem)	
	5.8-17 mg/l (Oncorhynchus mykiss) (lit.)	
	54 mg/l (Oryzias latipes)	
	12.6-19.05 mg/l (pimephales promelas)	
	7-28.2 mg/l (poecilia reticulata)	

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Ī	108-31-6 maleic anhydride		
	EC50/24h	316-330 mg/l (daphnia magna)	
	EC50	77 mg/l (daphnia magna)	
	EC10/18h	44.6 mg/l (pseudomonas putida)	
	EC50/48h	42.81 mg/l (daphnia magna)	
	ErC50/72h	74.35 mg/l (Pseudokirchneriella subcapitata) (OECD 202)	
	NOELR/72h	150 mg/l (Pseudokirchneriella subcapitata)	
	NOEC/21d	10 mg/l (daphnia magna)	
	EC50/72h	29 mg/l (Desmodesmus subspicatus)	
		74.32 mg/l (Pseudokirchneriella subcapitata)	
		>150 mg/l (Selenastrum capricornutum)	
	LC50/96h	75 mg/l (lepomis macrochirus)	
		75 mg/l (Oncorhynchus mykiss)	

12.2 Persistence and

degradability
 12.3 Bioaccumulative potential
 12.4 Mobility in soil
 No further relevant information available.
 No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

PBT: Not applicable.√PvB: Not applicable.

12.6 Endocrine disrupting

properties The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects · Additional ecological information:

• General notes: Do not allow product to reach ground water, water course or sewage system.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for

watei

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation Must not be disposed together with household garbage. Do not allow product to

reach sewage system.

· <u>European waste catalogue</u>		
		MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND
		INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
	20 01 00	separately collected fractions (except 15 01)
	20 01 27*	paint, inks, adhesives and resins containing hazardous substances

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

Empty contaminated packagings thoroughly. They may be recycled after

thorough and proper cleaning.

SECTION 14: Transport information

· 14.1 UN number or ID nu	umber
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· ADR, ADN, IMDG Void UN1866

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· 14.2 UN proper shipping name

· ADR, ADN, IMDG Void

· <u>IATA</u> RESIN SOLUTION

14.3 Transport hazard class(es)

· ADR, ADN, IMDG

· Class Void

·IATA



· <u>Class</u> 3 Flammable liquids.

· <u>Label</u>

14.4 Packing group

· ADR, IMDG Void III

· 14.5 Environmental hazards:

· Marine pollutant: No

• 14.6 Special precautions for user Not applicable.

· 14.7 Maritime transport in bulk according to IMO

<u>instruments</u> Not applicable.

· UN "Model Regulation": Void

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances -

ANNEX I None of the ingredients is listed.
Seveso category P5c FLAMMABLE LIQUIDS

· Qualifying quantity (tonnes) for the

application of lower-tier

requirements 5,000 t

· Qualifying quantity (tonnes) for the

application of upper-tier

requirements 50,000 t

· REGULATION (EC) No 1907/2006

ANNEX XVII Conditions of restriction: 3, 48

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

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Regulation (EC) No 273/2004 on drug precursors

108-88-3 toluene

3

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

108-88-3 toluene

3

· National regulations:

· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· VOC EU

336.1 g/l

· 15.2 Chemical safety

assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS:
 Date of previous version:
 Laboratory
 23.01.2023

· Version number of previous

version:

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de

fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European

Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Resp. Sens. 1: Respiratory sensitisation – Category 1 Skin Sens. 1: Skin sensitisation – Category 1 Skin Sens. 1A: Skin sensitisation – Category 1A

Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3