

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 27.10.2020

Version number 7

Revision: 27.10.2020

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

#### · 1.1 Product identifier

- Trade name: **Acrylic Thinner Normal**
- Article number: 70042, 70043
- UFI: GXE0-50KC-X00G-0XVK

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

- Application of the substance / the mixture

No further relevant information available.

Thinner, Diluent

#### · 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH  
Lechstrasse 28  
D 90451 Nürnberg
- Tel. +49(0)911-642960  
Fax. +49(0)911-644456  
e-mail info@akemi.de

- Further information obtainable from:

Laboratory

#### · 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.  
+44 (171) 635 91 91  
National Poison Inform. Centre  
Medical Toxicology Unit  
Avalonley Road  
London SE14 5ER

### \* SECTION 2: Hazards identification

#### · 2.1 Classification of the substance or mixture

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



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.  
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2 H319 Causes serious eye irritation.  
STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

#### · 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

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

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· Hazard pictograms



GHS02 GHS07 GHS08

· Signal word

Danger

· Hazard-determining components of labelling:

reaction mass of ethylbenzole and xylole  
n-butyl acetate  
Solvent naphtha (petroleum), light arom.  
isopropylbenzene

· Hazard statements

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.  
H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take action to prevent static discharges.  
P260 Do not breathe vapours.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331 Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
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 Chemical characterisation: Mixtures**

· Description: Mixture: consisting of the following components.

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· Dangerous components:		
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate   reaction mass of ethylbenzole and xylole   	50-100%
EC number: 905-588-0 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32; 01-2119486136-34		25-50%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-211947591-29	2-methoxy-1-methylethyl acetate  	<12.5%
CAS: 64742-95-6 EC number: 918-668-5 Index number: 649-356-00-4 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom.    	<10%
CAS: 98-82-8 EINECS: 202-704-5 Index number: 601-024-00-X	isopropylbenzene    	<1%
· Regulation (EC) No 648/2004 on detergents / Labelling for contents aromatic hydrocarbons		≥5 - <15%
· 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.
· 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:	Immediately wash with water and soap and rinse thoroughly.
· After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· After swallowing:	Drink plenty of water and provide fresh air. Call for a doctor immediately. Do not induce vomiting; call for medical help immediately. A person vomiting while laying on their back should be turned onto their side.

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

Breathing difficulty  
Dizziness  
Headache

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

No further relevant information available.

**SECTION 5: Firefighting measures****· 5.1 Extinguishing media**

· Suitable extinguishing agents:	CO <sub>2</sub> , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
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- For safety reasons unsuitable extinguishing agents:
- **5.2 Special hazards arising from the substance or mixture**
- **5.3 Advice for firefighters**
- Protective equipment:

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Water with full jet  
 Formation of toxic gases is possible during heating or in case of fire.  
 Wear fully protective suit.  
 Mount respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
- **6.2 Environmental precautions:**
- **6.3 Methods and material for containment and cleaning up:**
- **6.4 Reference to other sections**

Keep away from ignition sources.  
 Ensure adequate ventilation  
 Mount respiratory protective device.  
 Wear protective equipment. Keep unprotected persons away.  
 Do not allow to penetrate the ground/soil.  
 Prevent seepage into sewage system, workpits and cellars.  
 Do not allow to enter sewers/ surface or ground water.  
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 Dispose contaminated material as waste according to item 13.  
 Ensure adequate ventilation.  
 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**
- Information about fire - and explosion protection:
- **7.2 Conditions for safe storage, including any incompatibilities**
- Storage:
- Requirements to be met by storerooms and receptacles:
- Information about storage in one common storage facility:
- Further information about storage conditions:
- Storage class:
- **7.3 Specific end use(s)**

Keep away from heat and direct sunlight.  
 Take note of emission threshold.  
 Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.  
 Fumes can combine with air to form an explosive mixture.  
 Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.  
 Keep respiratory protective device available.

Store only in the original receptacle.  
 Store in a cool location.  
 Store away from oxidising agents.  
 Protect from frost.  
 Keep container tightly sealed.  
 Store in cool, dry conditions in well sealed receptacles.  
 3  
 No further relevant information available.

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

- Additional information about design of technical facilities: No further data; see item 7.

**8.1 Control parameters**

- Ingredients with limit values that require monitoring at the workplace:

**123-86-4 n-butyl acetate**

WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
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**108-65-6 2-methoxy-1-methylethyl acetate**

WEL	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm Long-term value: 274 mg/m <sup>3</sup> , 50 ppm Sk
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**98-82-8 isopropylbenzene**

WEL	Short-term value: 250 mg/m <sup>3</sup> , 50 ppm Long-term value: 125 mg/m <sup>3</sup> , 25 ppm Sk
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- DNELs

**123-86-4 n-butyl acetate**

Oral	DNEL (Kurzzeit-akut)	2 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	2 mg/kg bw/day (BEV)
	DNEL (Kurzzeit-akut)	11 mg/kg bw/day (ARB)
	DNEL ( Langzeit-wiederholt)	6 mg/kg bw/day (BEV)
		11 mg/kg bw/day (ARB)
		6 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	960 mg/m <sup>3</sup> Air (ARB)
		860 mg/m <sup>3</sup> Air (BEV)
	DNEL (Langzeit-wiederholt)	480 mg/m <sup>3</sup> Air (ARB)
		102.34 mg/m <sup>3</sup> Air (BEV)

**reaction mass of ethylbenzole and xylole**

Oral	DNEL (Langzeit-wiederholt)	1.6 mg/kg bw/day (BEV)
Dermal	DNEL ( Langzeit-wiederholt)	180 mg/kg bw/day (ARB)
		108 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	289-442 mg/m <sup>3</sup> Air (ARB)

	260 mg/m <sup>3</sup> Air (BEV)
	DNEL (Langzeit-wiederholt)
	77 mg/m <sup>3</sup> Air (ARB)
	14.8-65.3 mg/m <sup>3</sup> Air (BEV)

**108-65-6 2-methoxy-1-methylethyl acetate**

Oral	DNEL (Langzeit-wiederholt)	1.67 mg/kg bw/day (BEV)
Dermal	DNEL ( Langzeit-wiederholt)	153.5 mg/kg bw/day (ARB)
		54.8 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	550 mg/m <sup>3</sup> Air (ARB)
	DNEL (Langzeit-wiederholt)	275 mg/m <sup>3</sup> Air (ARB)
		33 mg/m <sup>3</sup> Air (BEV)

**64742-95-6 Solvent naphtha (petroleum), light arom.**

Oral	DNEL (Langzeit-wiederholt)	11 mg/kg bw/day (BEV)
Dermal	DNEL ( Langzeit-wiederholt)	25 mg/kg bw/day (ARB)

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Inhalative	DNEL (Langzeit-wiederholt)	11 mg/kg bw/day (BEV) 150 mg/m <sup>3</sup> Air (ARB) 32 mg/m <sup>3</sup> Air (BEV)
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· PNECs**123-86-4 n-butyl acetate**

PNEC (wässrig)	35.6 mg/l (KA) 0.018 mg/l (MW) 0.18 mg/l (SW) 0.36 mg/l (WAS)
PNEC (fest)	0.0903 mg/kg Trockengew (BO) 0.0981 mg/kg Trockengew (MWS) 0.981 mg/kg Trockengew (SWS)

**reaction mass of ethylbenzole and xylole**

PNEC (wässrig)	6.58 mg/l (KA) 0.327 mg/l (MW) 0.327 mg/l (SW)
PNEC (fest)	2.31 mg/kg Trockengew (BO) 12.46 mg/kg Trockengew (MWS) 12.46 mg/kg Trockengew (SWS)

**108-65-6 2-methoxy-1-methylethyl acetate**

PNEC (wässrig)	100 mg/l (KA) 0.0635 mg/l (MW) 0.635 mg/l (SW) 6.35 mg/l (WAS)
PNEC (fest)	0.29 mg/kg Trockengew (BO) 0.329 mg/kg Trockengew (MWS) 3.29 mg/kg Trockengew (SWS)

· Additional information:

The lists valid during the making were used as basis.

**8.2 Exposure controls**

- Personal protective equipment:
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

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

Use skin protection cream for skin protection.

Clean skin thoroughly immediately after handling the product.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Filter AX

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.

Preventive skin protection by use of skin-protecting agents is recommended.

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

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 analyses of the company KCL

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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>).



### Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

· Material of gloves

Nitrile rubber, NBR

Neoprene gloves

PVA gloves

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Penetration time of glove material

· For the permanent contact gloves made of the following materials are suitable:

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

· Not suitable are gloves made of the following materials:

· Eye protection:

Butyl rubber, BR

Nitrile rubber, NBR

Butoject (KCL, Art. No. 897, 898)

Butyl rubber, BR

Leather gloves

Strong material gloves

Nitrile rubber, NBR



### Tightly sealed goggles

· Body protection:

Solvent resistant protective clothing

## SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:

Liquid

Colour:

Colourless

Odour:

Specific type

Odour threshold:

Not determined.

pH-value:

Not applicable

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· <u>Change in condition</u>	
<u>Melting point/freezing point:</u>	Undetermined. Not applicable
<u>Initial boiling point and boiling range:</u>	124-128 °C
· <u>Flash point:</u>	>23 °C
· <u>Flammability (solid, gas):</u>	Not applicable.
· <u>Ignition temperature:</u>	315 °C
· <u>Decomposition temperature:</u>	Not determined.
· <u>Auto-ignition temperature:</u>	Product is not selfigniting.
· <u>Explosive properties:</u>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <u>Explosion limits:</u>	
<u>Lower:</u>	1.5 Vol %
<u>Upper:</u>	10.8 Vol %
· <u>Vapour pressure at 20 °C:</u>	10.7 hPa
· <u>Density at 20 °C:</u>	0.89 g/cm³
· <u>Relative density</u>	Not determined.
· <u>Vapour density</u>	Not determined.
· <u>Evaporation rate</u>	Not determined.
· <u>Solubility in / Miscibility with water:</u>	Not miscible or difficult to mix.
· <u>Partition coefficient: n-octanol/water:</u>	Not determined.
· <u>Viscosity:</u>	
<u>Dynamic:</u>	Not determined.
<u>Kinematic:</u>	Not determined.
· <u>Solvent content:</u>	
<u>Organic solvents:</u>	74.2 %
<u>Solids content:</u>	0.0 %
· <b>9.2 Other information</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

· <b>10.1 Reactivity</b>	No further relevant information available.
· <b>10.2 Chemical stability</b>	
· <u>Thermal decomposition / conditions to be avoided:</u>	No decomposition if used according to specifications.
· <b>10.3 Possibility of hazardous reactions</b>	Reacts with acids, alkalis and oxidising agents. Reacts with strong oxidising agents. Flammable vapour-air mixtures may develop if stored in large receptacles and above room temperature.
· <b>10.4 Conditions to avoid</b>	No further relevant information available.
· <b>10.5 Incompatible materials:</b>	No further relevant information available.
· <b>10.6 Hazardous decomposition products:</b>	Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Possible in traces.

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

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

**LD/LC50 values relevant for classification:****ATE (Acute Toxicity Estimates)**

Dermal	LD50	7,778 mg/kg
Inhalative	LC50/4 h	24.7-26.1 mg/l (rat)

**123-86-4 n-butyl acetate**

Oral	LD50	10,800 mg/kg (rat) (OECD 423)
Dermal	LD50	>17,600 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	>21 mg/l (rat) (OECD 403)
	LC50	390 mg/m <sup>3</sup> (rat)
	LC50/48h	64 mg/l (Brachydanio rerio)

**reaction mass of ethylbenzene and xylole**

Oral	LD50	3,523 mg/kg (rat)
	NOAEL-Werte	250 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4h	29,000 mg/m <sup>3</sup> (rat)
	LC50/4 h	6.35-6.7 mg/l (rat)

**108-65-6 2-methoxy-1-methylethyl acetate**

Oral	LD50	6,190 mg/kg (rat) (OECD 401)
	NOAEL-Werte	1,500 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)
		>2,000 mg/kg (rat)
Inhalative	LC50/4h	>10,000 mg/m <sup>3</sup> (rat)
	LC50	>23.8 mg/l (rat)
	LC50/4 h	35.7 mg/l (rat)
	LC50/48h	100 mg/l (Desmodesmus subspicatus)

**64742-95-6 Solvent naphtha (petroleum), light arom.**

Oral	LD50	3,592 mg/kg (rat)
Dermal	LD50	>3,160 mg/kg (rabbit)
		>2,000 mg/kg (rat)
Inhalative	LC50/4 h	mg/l (rat)

**98-82-8 isopropylbenzene**

Oral	LD50	1,400 mg/kg (rat)
Dermal	LD50	12,300 mg/kg (rbt)
Inhalative	LC50/4 h	24.7 mg/l (mus)

- Primary irritant effect: Do not get in eyes, on skin, or on clothing.
- Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure May cause respiratory irritation. May cause drowsiness or dizziness.
- STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

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· Aspiration hazard May be fatal if swallowed and enters airways.

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**SECTION 12: Ecological information****· 12.1 Toxicity****· Aquatic toxicity:****123-86-4 n-butyl acetate**

EC50/24h	72.8 mg/l (daphnia magna) (DIN 38412)
EC50/96h	320 mg/l (green alge)
LC50/24h	205 mg/l (daphnia magna)
IC50/72h	648 mg/l (Desmodesmus subspicatus)
EC10/18h	959 mg/l (pseudomonas putida)
EC50/48h	44 mg/l (daphnia magna)
EC50/16h	959 mg/l (pseudomonas putida)
NOEC	200 mg/kg (Desmodesmus subspicatus)
NOEC/21d	23 mg/l (daphnia magna)
EC50/72h	647.7 mg/l (Desmodesmus subspicatus) (Zellvermehrungshemmtest) 674 mg/l (Scenedesmus subspicatus)
LC50/96h	62 mg/l (Danio rerio.) 81 mg/l (piscis) 100 mg/l (lepisomis macrochirus) 62 mg/l (Leuciscus idus) (DIN 38412) 18 mg/l (pimephales promelas) (OECD 203)

**reaction mass of ethylbenzole and xylole**

LC50/24h	1 mg/l (daphnia magna)
EC50/48h	3.2-9.5 mg/l (daphnia magna)
NOEC	16 mg/l (BES) 1.3 mg/l (Oncorhynchus mykiss)
NOELR/72h	0.44 mg/l (green alge)
NOELR/28d	16 mg/l (bacteria)
EC50/72h	2.2 mg/l (selenastrum capricornutum)
LC50/96h	2.6 mg/l (Oncorhynchus mykiss) 8.9-16.4 mg/l (pimephales promelas)

**108-65-6 2-methoxy-1-methylethyl acetate**

EC50	>100 mg/l (daphnia magna)
LC50	63.5 mg/l (Oryzias latipes)
EC50/48h	>500 mg/l (daphnia magna) (RL 67/548/EWG. Anhang V, C.2.)
ErC50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC20/0.5h	>1,000 mg/l (BES) (OECD 209)
NOEC	47.5 mg/l (Oryzias latipes)
NOEC/21d	≥100 mg/l (daphnia magna)
EC10	>1,000 mg/l (BES)
LC50/96h	134 mg/l (Oncorhynchus mykiss) >1,000 mg/l (Oryzias latipes) 161 mg/l (Pimephales promelas)

**64742-95-6 Solvent naphtha (petroleum), light arom.**

EC50	<10 mg/l (daphnia magna)
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IC50	<10 mg/l (daphnia magna)
LC50	<10 mg/l (green alge) >1-<10 mg/l (piscis)
EL50/48h	3.2 mg/l (ceriodaphnia Dubai) 3.2 mg/l (daphnia magna)
EL50/72h	2.6-2.9 mg/l (Pseudokirchneriella subcapitata) 2.9 mg/l (selenastrum capricornutum)
LL50/96h	9.2 mg/l (Oncorhynchus mykiss)
NOELR/72h	1 mg/l (Pseudokirchneriella subcapitata)
EC50/48h	3.2 mg/l (daphnia magna)
EC50/72h	2.9 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	9.2 mg/l (Oncorhynchus mykiss)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- Additional ecological information:
- General notes: Do not allow product to reach ground water, water course or sewage system.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- PBT: Not applicable.
- vPvB: Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### 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.

- European waste catalogue

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
----------	--

07 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
----------	--

07 01 04*	other organic solvents, washing liquids and mother liquors
-----------	--

- Uncleaned packaging:

- Recommendation: Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

### SECTION 14: Transport information

- **14.1 UN-Number**

ADR, IMDG, IATA	UN1993
-----------------	--------

- **14.2 UN proper shipping name**

ADR	1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, XYLENES)
IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, XYLENES)

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**14.3 Transport hazard class(es)**

· ADR



- Class
- Label

3 (F1) Flammable liquids.  
3

## · IMDG, IATA



- Class
- Label

3 Flammable liquids.  
3

**14.4 Packing group**

· ADR, IMDG, IATA

III

**14.5 Environmental hazards:**

· Marine pollutant:

No

**14.6 Special precautions for user**

· Hazard identification number (Kemler code):

Warning: Flammable liquids.

· EMS Number:

30

· Stowage Category

F-E,S-E

A

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

Not applicable.

**Transport/Additional information:**

· ADR

5L

· Limited quantities (LQ)

Code: E1

· Excepted quantities (EQ)

Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

· Transport category

3

· Tunnel restriction code

D/E

· IMDG

5L

· Limited quantities (LQ)

Code: E1

· Excepted quantities (EQ)

Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, XYLENES), 3, III

**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

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· 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
· 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.

· National regulations:	
· Information about limitation of use:	Employment restrictions concerning pregnant and lactating women must be observed. Employment restrictions concerning juveniles must be observed.
· Waterhazard class:	Water hazard class 1 (Self-assessment): slightly hazardous for water.
· VOC EU	889.6 g/l
· <b>15.2 Chemical safety assessment:</b>	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.

· Relevant phrases	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.
· Recommended restriction of use	refer to Technical Data Sheet (TDS)
· Department issuing SDS:	Laboratory
· Contact:	Dieter Zimmermann
· 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 européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally 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 vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 4: Acute toxicity - dermal – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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

· \* Data compared to the previous  
version altered.

Adaptation in accordance with REACH directive 1907/2006/EC

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