

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 29.08.2017

Version number 20

Revision: 29.08.2017

**SECTION 1: Identification of the substance/mixture and of the company/  
undertaking****1.1 Product identifier**Trade name: **Pullex Objekt-Lasur**  
**Different colours****4414a****Product code:** 50790 ff**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the preparation:**

Coating material for commercial or consumer end-uses.

**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**ADLER-Werk Lackfabrik  
Johann Berghofer GmbH & Co KG  
Bergwerkstraße 22  
A-6130 Schwaz

tel: +43 5242 6922-713

fax: +43 5242 6922-709

**Further information obtainable from:**Bereich Forschung und Entwicklung  
Mon-Thu: 7.00 - 12.00 and 12.55 - 16.25  
Fri : 7.00 - 12.15

tel: +43 5242 6922-713

mail: [sdb-info@adler-lacke.com](mailto:sdb-info@adler-lacke.com)**1.4 Emergency telephone number:**

Guy's &amp; St Thomas' Poisons Unit, London

tel: +44 (0)20 7188 0100

mail: [guyspoisons@gstt.nhs.uk](mailto:guyspoisons@gstt.nhs.uk)**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.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

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

**Hazard pictograms**

GHS02 GHS08

**Signal word** Danger**Hazard-determining components of labelling:**

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics

**Hazard statements**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

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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.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH208 Contains 3-iodo-2-propynylbutylcarbamate. May produce an allergic reaction.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** The mixture does not meet the criteria for classification as PBT.**vPvB:** The mixture does not meet the criteria for classification as vPvB.

## SECTION 3: Composition/information on ingredients

**3.2 Chemical characterisation: Mixtures****Description:** Long-oil alkyd resins and additives in organic solvents - contains film preservatives.**Dangerous components:**

EC number: 918-481-9 Reg.nr.: 01-2119457273-39	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics Asp. Tox. 1, H304	50-<75%
CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol Acute Tox. 4, H302; Eye Irrit. 2, H319	1.0-<2.5%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	1.0-<2.5%
CAS: 55406-53-6 EINECS: 259-627-5	3-iodo-2-propynylbutylcarbamate Acute Tox. 3, H331; STOT RE 1, H372; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317	0.3-<0.5%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene, mixed isomers, pure Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	<0.3%

**Additional information** For the wording of the listed hazard phrases refer to section 16.

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Remove contaminated pieces of clothing immediately. In case of doubt or if health impairment occurs, please consult a doctor. Show the safety data sheet and/or the container to the doctor.

##### After inhalation

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness, keep and move the person in a stable lateral position.

##### After skin contact

Remove contaminated clothes.

Clean the skin with water and soap or use a suitable skin cleaning agent.

Do not use any solvents or thinners!

##### After eye contact

Remove contact lenses. Rinse the eyes with open eyelids with plenty of clean and fresh water for at least 10 minutes and seek medical advice promptly.

##### After swallowing

In case it is swallowed, rinse the mouth with plenty of water (only if the person is conscious) and consult a doctor immediately.

Keep the person affected quiet and calm.

Do not induce vomiting!

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

No further relevant information available.

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

In case of unconsciousness, please call a doctor on emergency service.

### 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.

**For safety reasons unsuitable extinguishing agents** Water with full jet.

#### 5.2 Special hazards arising from the substance or mixture

Thick smoke may occur in case of a fire. Exposure to decomposed products can cause health impairment.

Hazardous gases are formed in case of heating / fire.

Inhaling the decomposed products may cause serious damage to health.

#### 5.3 Advice for firefighters

Do not allow extinguishing water to enter into the sewage system or watercourses.

In case of fire: use self-contained breathing apparatus.

**Protective equipment:** If applicable, breathing apparatus may be necessary.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Keep persons not involved away.  
Ensure adequate ventilation  
Particular danger of slipping on leaked/spilled product.  
Keep away from ignition sources  
Avoid inhaling the vapours.  
Solvent-resistant safety gear is recommended.  
Eliminate all sources of ignition.  
Avoid formation of dust.

#### 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.

#### 6.3 Methods and material for containment and cleaning up:

Do not flush with water or aqueous cleansing agents  
Collect the spilled substance with liquid-binding material (sand, kieselguhr, acid-binding agent, universal binding agent or sawdust).  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Fill contaminated material in the original container or any other suitable one and dispose it in accordance with point 13.

#### 6.4 Reference to other sections

Please refer to section 7 for notes on safe handling.  
Please refer to section 8 for information on personal safety gear.  
Please refer to section 13 on information regarding disposal.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.  
Exceeding the limit values for the workplace must be prevented.  
Prevent exceeding the limit values at the workplace.  
In addition, use the material only at places, which are protected from naked light and other sources of ignition.  
Electrical appliances must be protected in conformity with the approved standard.  
The mixture can get electrostatically charged: when transferring it from one container to another, always ensure that earth connections have been made.  
Workers should wear antistatic clothing including footwear and the flooring must be conductive.  
Keep away from heat sources, sparks and naked flames.  
Use an anti-spark tool.  
Avoid contact with the skin and eyes.  
Do not inhale dust, particles and spray mist when using this mixture.  
Avoid inhaling sanding dust.  
Do not smoke, eat or drink while working.  
Refer to section 8 for personal safety gear.  
Never empty out containers under pressure - they are not pressure vessels!  
Always store in containers that contained the same material as the original container.

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Follow the statutory protection and safety rules and regulations.  
Do not allow it to get into the sewage system or flowing water.

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Solvent vapours are heavier than air and spread across over the ground. Vapours form an explosive mixture together with air.

Use explosion-proof appliances.

**7.2 Conditions for safe storage, including any incompatibilities**

The official regulations for storing liquids must be observed.

**Storage****Requirements to be met by storerooms and receptacles:**

Follow the instructions resp. regulations for the storage of water hazardous fluids.

Keep away from sources of ignition - No smoking.

**Information about storage in one common storage facility:**

Keep away from oxidants as well as strongly alkaline and acidic materials.

Do not store with self-igniting materials.

**Further information about storage conditions:**

Keep the container closed so that it is air-tight.

Store in cool, dry conditions in well sealed receptacles.

Please follow the instructions on the label.

Store between 10 and 30 °C in a dry and well-ventilated place, and protect against heat and direct sunlight.

Owing to the proportion of organic solvent in the mixture:

Keep the container tightly closed.

Keep away from sources of ignition.

Smoking prohibited.

Entry for authorised persons only.

Close the open container carefully and keep it straight to prevent leakage.

Store in the original container.

**7.3 Specific end use(s)**

Please refer to our technical data sheet for additional notes and instructions.

**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:****112-34-5 2-(2-butoxyethoxy)ethanol**

WEL Short-term value: 101.2 mg/m<sup>3</sup>, 15 ppm

Long-term value: 67.5 mg/m<sup>3</sup>, 10 ppm

**34590-94-8 (2-methoxymethylethoxy)propanol**

WEL Long-term value: 308 mg/m<sup>3</sup>, 50 ppm

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**1330-20-7 xylene, mixed isomers, pure**

WEL Short-term value: 441 mg/m<sup>3</sup>, 100 ppm  
Long-term value: 220 mg/m<sup>3</sup>, 50 ppm  
Sk; BMGV

**DNELs****67746-08-1 Leinöl-Standöl**

Oral	Long-term exposure, systemic effects	0.25 mg/kg bw/day (Consumer)
Dermal	Long-term exposure, systemic effects	5 mg/kg bw/day (Worker) 2.5 mg/kg bw/day (Consumer)
Inhalative	Long-term exposure, systemic effects	1.76 mg/m <sup>3</sup> (Worker) 0.43 mg/m <sup>3</sup> (Consumer)

**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

Dermal	Long-term exposure, systemic effects	300 mg/kg bw/day (Worker) 300 mg/kg bw/day (Consumer)
Inhalative	Long-term exposure, systemic effects	900 mg/m <sup>3</sup> (Consumer)

**112-34-5 2-(2-butoxyethoxy)ethanol**

Oral	Long-term exposure, systemic effects	1.25 mg/kg bw/day (Consumer)
Dermal	Long-term exposure, systemic effects	20 mg/kg bw/day (Worker) 10 mg/kg bw/day (Consumer)
Inhalative	Short-term exposure, local effects	50.6 mg/m <sup>3</sup> (Consumer)
	Long-term exposure, systemic effects	67.5 mg/m <sup>3</sup> (Worker) 34 mg/m <sup>3</sup> (Consumer)
	Long-term exposure, local effects	67.5 mg/m <sup>3</sup> (Worker) 34 mg/m <sup>3</sup> (Consumer)
	Long-term exposure, systemic effects; ppm	10 ppm (Worker) 5 ppm (Consumer)
	Long-term exposure, local effects; ppm	10 ppm (Worker) 5 ppm (Consumer)
	Short-term exposure, local effects; ppm	14 ppm (Worker) 7.5 ppm (Consumer)

**34590-94-8 (2-methoxymethylethoxy)propanol**

Oral	Long-term exposure, systemic effects	1.67 mg/kg bw/day (Consumer)
Dermal	Long-term exposure, systemic effects	65 mg/kg bw/day (Worker) 15 mg/kg bw/day (Consumer)
Inhalative	Long-term exposure, systemic effects	310 mg/m <sup>3</sup> (Worker) 37.2 mg/m <sup>3</sup> (Consumer)

**1330-20-7 xylene, mixed isomers, pure**

Oral	Long-term exposure, systemic effects	1.6 mg/kg bw/day (Consumer)
Dermal	Long-term exposure, systemic effects	180 mg/kg bw/day (Worker) 108 mg/kg bw/day (Consumer)
Inhalative	Short-term exposure, systemic effects	289 mg/m <sup>3</sup> (Worker)

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	Short-term exposure, local effects	174 mg/m <sup>3</sup> (Consumer) 289 mg/m <sup>3</sup> (Worker)
	Long-term exposure, systemic effects	174 mg/m <sup>3</sup> (Consumer) 77 mg/m <sup>3</sup> (Worker)
	Long-term exposure, local effects	14.8 mg/m <sup>3</sup> (Consumer) 77 mg/m <sup>3</sup> (Worker)

**108-94-1 cyclohexanone**

Oral	Short-term exposure, systemic effects	1.5 mg/kg bw/day (Consumer)
	Long-term exposure, systemic effects	1.5 mg/kg bw/day (Consumer)
Dermal	Short-term exposure, systemic effects	4 mg/kg bw/day (Worker) 1 mg/kg bw/day (Consumer)
	Long-term exposure, systemic effects	4 mg/kg bw/day (Worker) 1 mg/kg bw/day (Consumer)
Inhalative	Short-term exposure, systemic effects	80 mg/m <sup>3</sup> (Worker) 20 mg/m <sup>3</sup> (Consumer)
	Short-term exposure, local effects	80 mg/m <sup>3</sup> (Worker) 40 mg/m <sup>3</sup> (Consumer)
	Long-term exposure, systemic effects	40 mg/m <sup>3</sup> (Worker) 10 mg/m <sup>3</sup> (Consumer)
	Long-term exposure, local effects	40 mg/m <sup>3</sup> (Worker)

**PNECs****112-34-5 2-(2-butoxyethoxy)ethanol**

Freshwater	1 mg/l (Environmental compartment)
Seawater	0.1 mg/l (Environmental compartment)
Sporadic release	3.9 mg/l (Environmental compartment)
Freshwater sediment	4 mg/kg (Environmental compartment)
Seawater sediment	0.4 mg/kg (Environmental compartment)
Sewage plant	200 mg/l (Environmental compartment)

**34590-94-8 (2-methoxymethylethoxy)propanol**

Freshwater	19 mg/l (Environmental compartment)
Seawater	1.9 mg/l (Environmental compartment)
Sporadic release	190 mg/l (Environmental compartment)
Freshwater sediment	70.2 mg/kg (Environmental compartment)
Seawater sediment	7.02 mg/kg (Environmental compartment)
Soil	2.74 mg/kg (Environmental compartment)
Sewage plant	4168 mg/l (Environmental compartment)

**1330-20-7 xylene, mixed isomers, pure**

Freshwater	0.327 mg/l (Environmental compartment)
Seawater	0.327 mg/l (Environmental compartment)
Periodic release	0.327 mg/l (Environmental compartment)

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Freshwater sediment	12.46 mg/kg (Environmental compartment)
Seawater sediment	12.46 mg/kg (Environmental compartment)
Soil	2.31 mg/kg (Environmental compartment)
Sewage plant	6.58 mg/l (Environmental compartment)
<b>108-94-1 cyclohexanone</b>	
Freshwater	01 mg/l (Environmental compartment)
Seawater	0.01 mg/l (Environmental compartment)
Periodic release	1 mg/l (Environmental compartment)
Freshwater sediment	0.512 mg/kg (Environmental compartment)
Seawater sediment	0.0512 mg/kg (Environmental compartment)
Soil	0.0435 mg/kg (Environmental compartment)
Sewage plant	10 mg/l (Environmental compartment)
<b>Ingredients with biological limit values:</b>	
<b>1330-20-7 xylene, mixed isomers, pure</b>	
BMGV	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
<b>108-94-1 cyclohexanone</b>	
BMGV	2 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: cyclohexanol

**Additional information:** The actual lists were used as basis.

### 8.2 Exposure controls

#### Personal protective equipment

#### General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.

#### Protection of hands:

Use butyl rubber gloves for protection against liquid splashes during brief working operations.

#### Material of 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 mixture 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.

#### Penetration time of glove material

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

**Eye protection:** Where liquid splashes may occur, use safety goggles with side protection.

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**Body protection:**

Wear antistatic protective clothes (e.g. made of cotton). For skin protection apply an oil-in-water emulsion on the skin not covered by the suit.

**Additional instructions for the layout of technical equipment:**

Please refer to section 7. Please follow the rules for "Processing of coating materials" (BGR 500, Part 2, Section 2.29).

**Limitation and supervision of exposure into the environment** Please refer to sections 6 and 7.

### SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	fluid
<b>Colour:</b>	different colours
<b>Odour:</b>	specific type
<b>Odour threshold:</b>	Not determined.

**pH-value:** Not determined.

**Change in condition**

<b>Melting point/freezing point:</b>	Undetermined
<b>Initial boiling point and boiling range:</b>	137 °C

**Flash point:** 60 °C

**Flammability (solid, gaseous)** Not applicable.

**Ignition temperature:** 205 °C

**Decomposition temperature:** Not determined.

**Auto-ignition temperature:** In certain situations dusts soaked with this material can lead to self-ignition during the oxidative drying.

**Explosive properties:** Not determined.

**Explosion limits:**

<b>Lower:</b>	1.4 Vol %
<b>Upper:</b>	10.4 Vol %

**Vapour pressure at 20 °C:** 0.7 hPa

<b>Density at 20 °C:</b>	0.82 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.

**Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix

**Partition coefficient: n-octanol/water:** Not determined.

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<b>Viscosity:</b> <b>dynamic:</b> <b>kinematic at 20 °C:</b>	Not determined. 14 s (DIN 53211/4)
<b>Solvent content:</b> <b>Organic solvents:</b>	76.3 %
<b>VOC content (EU):</b>	76.39 %
<b>Solids content:</b>	23.7 % ± 1,5 %
<b>9.2 Other information</b>	Other physical and chemical information have not been obtained.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

It reacts with strong oxidisation and reduction agents under severe influence of heat. It reacts with strong alkalis under severe influence of heat. There is risk of explosion in the event of uncontrolled reaction.

#### 10.2 Chemical stability

The product is chemically stable under normal ambient conditions (room temperature).

**Conditions to be avoided:** No decomposition if used according to specifications.

#### 10.3 Possibility of hazardous reactions

There is danger that dusters soaked with drying oil cause self-ignition! Stretch out soaked dusters for drying; it is necessary to preserve soaked dusters in closed metal containers respectively under water.

No hazardous reaction is to be expected if used properly.

#### 10.4 Conditions to avoid

Protect from heat.

Temperatures above room temperature accelerate the transition from the liquid form into the vapour form and the formation of explosive atmospheres.

**10.5 Incompatible materials:** It attacks plastics and rubber.

#### 10.6 Hazardous decomposition products:

Decomposes on heating / combustion into hazardous gases (e.g. carbon monoxide).

**Additional information:** Vapours may cause drowsiness and dizziness.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

There are no toxicological findings on the mixture available.

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<b>Acute toxicity</b>		
<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</b>		
Inhalative	LC50 (4 h)	4.951 mg/l (Rat (Rattus))
<b>67746-08-1 Leinöl-Standöl</b>		
Oral	NOAEL	> 1000 mg/kg bw/d (Rat (Rattus)) (OECD 422)
	LD50	> 4897 mg/kg (Rat (Rattus)) (OECD 401)
Dermal	LD50	> 2000 mg/kg (Rat (Rattus)) (OECD 402)
<b>9002-88-4 Ethene, homopolymer</b>		
Oral	LD50	>2000 mg/kg (Rat (Rattus)) (OECD 423)
<b>34590-94-8 (2-methoxymethylethoxy)propanol</b>		
Dermal	LD50	13000 - 14000 mg/kg (Rabbit (Cuninulus))
<b>108-94-1 cyclohexanone</b>		
Oral	LD50	800 mg/kg (Rat (Rattus)) (OECD 401)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics

Inhalative LC50 (4 h)

67746-08-1 Leinöl-Standöl

Oral NOAEL

LD50

Dermal LD50

9002-88-4 Ethene, homopolymer

Oral LD50

34590-94-8 (2-methoxymethylethoxy)propanol

Dermal LD50

108-94-1 cyclohexanone

Oral LD50

**LD/LC50 values relevant for classification:**

<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics</b>		
Oral	LD50	> 5000 mg/kg (Rat (Rattus)) (OECD 401)
Dermal	LD50	> 2000 mg/kg (Rat (Rattus)) > 5000 mg/kg (Rabbit (Cuninulus))
<b>64742-48-9 Naphtha (petroleum), hydrotreated heavy</b>		
Oral	LD50	>2000 mg/kg (Rat (Rattus))
Dermal	LD50	>2000 mg/kg (Rabbit (Cuninulus))
<b>112-34-5 2-(2-butoxyethoxy)ethanol</b>		
Oral	LD50	2000 mg/kg (Rat (Rattus))
Dermal	LD50	2764 mg/kg (Rabbit (Cuninulus))
<b>34590-94-8 (2-methoxymethylethoxy)propanol</b>		
Oral	LD50	5135 mg/kg (Rat (Rattus))
Dermal	LD50	9500 mg/kg (Rat (Rattus))
<b>55406-53-6 3-iodo-2-propynylbutylcarbamate</b>		
Oral	LD50	300-500 mg/kg (Rat (Rattus))
Dermal	LD50	>2000 mg/kg (Rat (Rattus))

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Inhalative	LC50 (4 h)	6.89 mg/l (Rat (Rattus))
<b>1330-20-7 xylene, mixed isomers, pure</b>		
Oral	LD50	>2000 mg/kg (Rat (Rattus))
Dermal	LD50	>2000 mg/kg (Rabbit (Cuninculus))
Inhalative	LC50 (4 h)	>5 mg/l (Rat (Rattus))
<b>108-94-1 cyclohexanone</b>		
Oral	LD50	1900 mg/kg (Rat (Rattus))
Dermal	LD50	948 mg/kg (Rabbit (Cuninculus))
Inhalative	LC50 (4 h)	8000 mg/l (Rat (Rattus))

**Primary irritant effect:**
**Skin corrosion/irritation**

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Irritation:**

Longer or repeated contact leads to degreasing of the skin and cannot cause harm to the skin by contact (Contact Dermatitis).

**Corrosive (or burning) effect:** Data not available.

**Toxicity with repeated administration:** Data not available.

**Carcinogenicity:** Data not available.

**Mutagenicity:** Data not available.

**Reproductive toxicity:** Data not available.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

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

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Other instructions:**

The toxicological classification of the mixture is based on the results of the calculation method of the Preparations Directive, 1999/45 EC. Based on the experience of the manufacturer, risks and hazards beyond those given in the label are not expected.

## SECTION 12: Ecological information

**12.1 Toxicity:**
**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

LC50	> 1000 mg/l (Fishes (Piscis))
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**Aquatic toxicity:****Fish toxicity:****Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

LC0 (96 h)	1000 mg/l (Rainbow trout ( <i>Oncorhynchus mykiss</i> ))
NOEC (96 h)	0.1 - 1 mg/l (Fishes ( <i>Piscis</i> ))
LC50 (96 h)	2200 mg/l (Fat-headed minnow ( <i>Pimephales promelas</i> ))

**67746-08-1 Leinöl-Standöl**

LC50 (96 h)	> 1000 mg/l (Zebra danio ( <i>Danio rerio</i> )) (OECD 203)
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**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

LC50	> 1000 mg/l (Fishes ( <i>Piscis</i> ))
LC50 (96 h)	2200 mg/l (Fat-headed minnow ( <i>Pimephales promelas</i> ))

**112-34-5 2-(2-butoxyethoxy)ethanol**

LC50 (24 h)	2700 mg/l (Goldfish ( <i>Carassius auratus</i> ))
LC50 (96 h)	1300 mg/l (Blue sunfish ( <i>Lepomis macrochirus</i> ))

**34590-94-8 (2-methoxymethylethoxy)propanol**

LC50 (72 h)	>1000 mg/l (Fishes ( <i>Piscis</i> ))
LC50 (96 h)	>1000 mg/l (Guppy ( <i>Poecilia reticulata</i> )) (OECD 203; ISO 7346; 84/449/EWG, C. 1)

**55406-53-6 3-iodo-2-propynylbutylcarbamate**

LC50 (96 h)	0.43 mg/l (Zebra danio ( <i>Danio rerio</i> ))
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**1330-20-7 xylene, mixed isomers, pure**

LC50 (96 h)	13.1 - 16.5 mg/l (Blue sunfish ( <i>Lepomis macrochirus</i> ))
	> 780 mg/l (Common carp ( <i>Ciprinus carpio</i> ))
	16.9 mg/l (Goldfish ( <i>Carassius auratus</i> ))
	13.5 - 17.3 mg/l (Rainbow trout ( <i>Oncorhynchus mykiss</i> ))
	13.4 mg/l (Fat-headed minnow ( <i>Pimephales promelas</i> ))

**Daphnia toxicity:****Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

EC0 (48 h)	>1000 mg/l (Large water flea ( <i>Daphnia magna</i> ))
EC50	>1000 mg/kg (Large water flea ( <i>Daphnia magna</i> ))

**67746-08-1 Leinöl-Standöl**

EC50 (48 h)	> 100 mg/l (Large water flea ( <i>Daphnia magna</i> )) (OECD 202)
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**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

EC50 (48 h)	>1000 mg/l (Large water flea ( <i>Daphnia magna</i> ))
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**112-34-5 2-(2-butoxyethoxy)ethanol**

EC50 (24 h)	2850 mg/l (Large water flea ( <i>Daphnia magna</i> ))
EC50 (48 h)	>100 mg/l (Large water flea ( <i>Daphnia magna</i> ))

**34590-94-8 (2-methoxymethylethoxy)propanol**

EC50 (48 h)	>1000 mg/l (Large water flea ( <i>Daphnia magna</i> ))
LC50 (48 h)	1.919 mg/l (Large water flea ( <i>Daphnia magna</i> )) (OPP 72-2 (EPA))

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**55406-53-6 3-iodo-2-propynylbutylcarbamate**

EC50 (48 h) 0.21 mg/l (Large water flea (Daphnia magna))

**1330-20-7 xylene, mixed isomers, pure**

EC50 (48 h) 3.82 mg/l (Large water flea (Daphnia magna))

LC50 (48 h) 0.6 mg/l (Shellfish (Gammarus lacustris))

**Algal toxicity:****Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

EC50 &gt; 1000 mg/l (Algae (Algae))

EC0 (72 h) 1000 mg/l (Micro-algae (Pseudokirchneriella subc.))

**67746-08-1 Leinöl-Standöl**

EL50 (72 h) &gt; 100 mg/l (Micro-algae (Pseudokirchneriella subc.)) (OECD 201)

**112-34-5 2-(2-butoxyethoxy)ethanol**

IC50 (96 h) &gt;100 mg/l (Green algae (Scenedesmus subspicatus))

**34590-94-8 (2-methoxymethylethoxy)propanol**

IC50 (72 h) &gt;1000 mg/l (Algae (Algae))

NOEC (72 h) 969 mg/l (Algae (Algae))

EL50 (72 h) &gt; 969 mg/l (Algae (Algae))

EC50 (96 h) &gt;969 mg/l (Micro-algae (Pseudokirchneriella subc.)) (OECD 201)

**55406-53-6 3-iodo-2-propynylbutylcarbamate**

IC50 (72 h) 0.026 mg/l (Green algae (Desmodesmus subspicatus))

**1330-20-7 xylene, mixed isomers, pure**

IC50 (72 h) 2.2 mg/l (Algae (Algae))

**Bacterial toxicity:****Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics**

EC50 &gt;100 mg/l (Bacteria (Bacteria))

**67746-08-1 Leinöl-Standöl**

EC50 (3 h) &gt; 100 mg/l (Activated sludge) (OECD 209)

EC10 (3 h) &gt; 100 mg/l (Activated sludge) (OECD 209)

**34590-94-8 (2-methoxymethylethoxy)propanol**

EC10 (18 h) 4168 mg/l (Pseudomonas putida) (Din 38412, part 8)

**55406-53-6 3-iodo-2-propynylbutylcarbamate**

EC50 (3 h) 44 mg/l (Activated sludge)

**1330-20-7 xylene, mixed isomers, pure**

EC50 (15 h) 1000 mg/l (Activated sludge)

**12.2 Persistence and bio-degradability:****34590-94-8 (2-methoxymethylethoxy)propanol**

Bio-degradability (28 d) 96 % (Environmental compartment)

**1330-20-7 xylene, mixed isomers, pure**

Bio-degradability (28 d) &gt;60 % (Activated sludge) (OECD 301 F)

**12.3 Bio-accumulation potential:** Data not available.

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**12.4 Mobility in the soil:** Data not available.**Additional ecological information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**12.5 Results of PBT and vPvB assessment****PBT:** The mixture does not meet the criteria for classification as PBT.**vPvB:** The mixture does not meet the criteria for classification as vPvB.**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:**

08 01 11: waste paint and varnish containing organic solvents or other dangerous substances

**Directions for waste disposal:**

Thermal treatment: appropriate

Chemical-physical treatment: not appropriate

Biological treatment: not appropriate

Deposition: not appropriate

**Uncleaned packaging:****Recommendation:**

15 01 10: packaging containing residues of or contaminated by dangerous substances

**Recommended cleansing agents:** Suitable dilution.

**Consign empty tins/cans to the collection and recycling point.**

### SECTION 14: Transport information

**14.1 UN-Number  
ADR, IMDG, IATA**

UN1263

**14.2 UN proper shipping name  
ADR  
IMDG, IATA**1263 Paint, special provision 640E  
Paint**14.3 Transport hazard class(es)****ADR, IMDG, IATA  
Class**

3 Flammable liquids.

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<b>Label</b>	3
<b>14.4 Packing group</b> <b>ADR, IMDG, IATA</b>	III
<b>14.5 Environmental hazards:</b> <b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b> <b>Danger code (Kemler):</b> <b>EMS Number:</b> <b>Stowage Category</b>	Warning: Flammable liquids. 30 F-E, S-E A
<b>14.7 Transport in bulk according to Annex II</b> <b>of Marpol and the IBC Code</b>	Delivery takes place only in suitable packaging approved under traffic laws.
<b>Transport/Additional information:</b>	
<b>ADR</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	D/E
<b>UN "Model Regulation":</b>	UN 1263 PAINT, SPECIAL PROVISION 640E, 3, III

### SECTION 15: Regulatory information

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

##### Biocides:

55406-53-6	3-iodo-2-propynylbutylcarbamate	0.30%
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##### Directive 2012/18/EU

**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

##### National regulations -

**Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

##### Information concerning VOC Directive 1999/13/EG:

**VOC-value of EU (European Union):** 626.4 g/l

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

GB

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### 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.

**Complete wording of the hazard (H) warning and R-phrases given in the safety data sheet (this does not deal with the classification of the mixture, which is given in Chapter 2):**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Department issuing SDS:** Central technical department

**Contact:** tel: +43 5242 6922-713

**Abbreviations and acronyms:**

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)

VOC: Volatile Organic Compounds (USA, EU)

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 – Category 4

Acute Tox. 3: Acute toxicity – Category 3

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

Skin Sens. 1: Skin sensitisation – Category 1

STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

\* **Data compared to the previous version altered.**