



# TECPO Sprühkleber bis 110°C Wärmestand\_EN

Version number: 1.0  
Issued: 2025-10-17

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

### 1.1. Product identifier

**Trade name**

TECPO Sprühkleber bis 110°C Wärmestand\_EN

**Article No.**

300364

**UFI code**

70KT-PUH8-900M-XKEA

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

**Relevant identified uses**

aerosol - Adhesives, Sealants.

**Not suitable for use in**

No further relevant information available.

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

**SDS created by**

Gefahrgutberatung Florian Herber, Erbigsweg 12, 36137 Großenlütder

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## **Supplier**

TECPO GmbH

### Address

Dreherstraße 16-20

42899 Remscheid  
Germany

### Telephone

+49 2191 951 3305

### Email

info@tecpo.de

### Fax

+49 2191 951 33044

### Web site

www.tecpo.de

### Contact person

Baris Ünsal

## **1.4. Emergency telephone number**

### **Poison center/Additional emergency number**

+49 (0) 89 19240 (Available 24/7) - Poison Emergency Call Munich (Available for the public.)

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

#### **Classification**

Aerosol, Hazard category 1

Aspiration hazard, hazard category 1

Skin irritation, hazard category 2

Eye irritation, hazard category 2

Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis

Hazardous to the aquatic environment — Chronic hazard category 3

#### **Hazard statements**

H222, H229, H304, H315, H319, H336, H412

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## Description

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

## 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

### Hazard pictograms



### Signal word

Danger

### Hazard statements

- H222 Extremely flammable aerosol.
- H229 Pressurised container: May burst if heated
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- 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.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- P501 Dispose of contents/container to dispose of in accordance with local / regional / national / international regulations..

### More information

Hazard-determining components of labeling:  
Methyl acetate; acetic acid methyl ester; ethyl acetate; acetic acid ethyl ester  
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes  
Hydrocarbons, C6, isoalkanes, < 5% n-hexane

## 2.3. Other hazards

In case of insufficient ventilation and/or due to use, formation of explosive/highly flammable mixtures possible. mixtures possible.



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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Specific concentration limits ATE	Note
butane	106-97-8 203-448-7 01-2119474691-32 601-004-00-0	35 - <40%	Flam. Gas 1, Press. Gas - Liquefied gas	H220, H280 - -		-
propane	74-98-6 200-827-9 01-2119486944-21 601-003-00-5	15 - <20%	Flam. Gas 1, Press. Gas - Liquefied gas	H220, H280 - -		-
methyl acetate; acetic acid methyl ester	79-20-9 201-185-2 01-2119459211-47 607-021-00-X	10 - <12,5%	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 - narcosis	H225, H319, H336, EUH066 - -		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 6482 mg/kg
ethyl acetate	141-78-6 205-500-4 01-2119475103-46 607-022-00-5	10 - <12,5%	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 - narcosis	H225, H319, H336, EUH066 - -		dermal: LD50 = > 20000 mg/kg; oral: LD50 = 5620 mg/kg
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes	64742-49-0 927-510-4 01-2119475515-33 -	5 - <10%	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3 - narcosis, Aquatic Chronic 2	H225, H304, H315, H336, H411, EUH066 - -		inhalative: LC50 = > 23,3 mg/l; dermal: LD50 = > 2800 - 3100 mg/kg; oral: LD50 = 5500 mg/kg
Hydrocarbons, C6, isoalkanes, < 5% n-hexane	- 931-254-9 01-2119484651-34	2,5 - <5%	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3 -	H225, H304, H315, H336, H411 -		inhalative: LC50 = > 20 mg/l (Dämpfe);



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Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Specific concentra- tion limits ATE	Note
	-		narcosis, Aquatic Chronic 2	-		dermal: LD50 = >3350 mg/kg; oral: LD50 = >16750 mg/kg
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	64742-49-0 265-151-9 01-2119475133- 43 649-328-00-1	2,5 - <5%	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3 - narcosis, Aquatic Chronic 2	H225, H304, H315, H336, H411 - -		inhalative: LC50 = > 4.96 mg/l (vapors); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg
cyclohexane	110-82-7 203-806-2 01-2119463273- 41 601-017-00-1	0,1 - <0,5%	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3 - narcosis, Aquatic Acute 1, Aquatic Chronic 1	H225, H304, H315, H336, H400, H410 - -		-
n-hexane	110-54-3 203-777-6 01-2119480412- 44 601-037-00-0	0 - <0,1%	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3 - narcosis, Repr. 2, STOT RE 2, Aquatic Chronic 2	H225, H304, H315, H336, H361f, H373, H411 - -		dermal: LD50 = > 2000 mg/kg; STOT RE 2; H373: >= 5 - 100

**Substance additional information**

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In all cases of doubt or if symptoms are present, seek medical advice. If medical advice is needed, have product container or label at hand.

#### Inhalation

Provide fresh air. In the event of breathing difficulties or respiratory arrest, initiate artificial respiration. Consult a doctor immediately.

#### Skin contact

Take off immediately all contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

#### Eye contact

In case of eye contact, rinse the eyes with water for a sufficiently long time with the eyelids open, then immediately Consult an ophthalmologist immediately.

#### Ingestion

case of vomiting, note the risk of aspiration. If swallowed, rinse mouth with plenty of water (only if the person is conscious) if the person is conscious) and get medical help immediately. Never give anything by mouth to an unconscious person or if convulsions occur. Consult a doctor immediately.

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

Symptoms may not appear for many hours, so medical supervision is required for at least 48 hours after the accident. hours after the accident.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray jet, carbon dioxide (CO<sub>2</sub>), foam, extinguishing powder.

#### Unsuitable extinguishing media

Full water jet.

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

Extremely flammable aerosol. Pressurised container: May burst if heated. Vapors can form an explosive mixture with air.



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## 5.3. Advice for firefighters

### Special protective equipment for fire-fighters

Self-contained breathing apparatus. Wear a chemical protection suit. Wear a full protective suit.

### Other

#### Measures in case of fire

Cool endangered containers with water spray. Knock down gases/vapors/mist with water spray. Collect contaminated extinguishing water separately and do not allow it to enter the sewage system. Do not allow to enter drains or waterways.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation. Keep ignition sources away. Do not inhale gas/fume/vapor/aerosol. Avoid contact with skin, eyes and clothing. Use suitable personal protective equipment (see SECTION 8).

Staff not trained for emergencies:

Ventilate the affected area. Remove all sources of ignition. Bring people to safety. Do not breathe spray.

Emergency services:

Respiratory protection must be used when exposed to vapors, dusts and aerosols.

### 6.2. Environmental precautions

Do not allow uncontrolled release of product into the environment. Explosion hazard.

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

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder). Dispose of the collected material in accordance with the regulations (Section 13).

### 6.4. Reference to other sections

See SECTIONS 7+8+13



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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Preventive handling precautions

Instructions for safe handling:

Do not puncture or burn, even after use. In case of open handling, use devices with local exhaust ventilation. Do not inhale gas/vapor/aerosol. If local exhaust ventilation is not possible or insufficient, good ventilation of the work area should be ensured wherever possible. Do not inhale gas/fume/vapor/aerosol.

Notes on fire and explosion protection:

Do not spray against flames or glowing objects. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapors may form explosive mixtures with air. Heating leads to an increase in pressure and risk of bursting.

#### General hygiene

Remove soiled, soaked clothing immediately. Draw up and follow a skin protection plan! Wash hands and face thoroughly before breaks and at the end of work, shower if necessary. Do not eat, drink, smoke or sniff at the workplace.

### 7.2. Conditions for safe storage, including any incompatibilities

Store under lock and key. Store in a place that is only accessible to authorized persons. Ensure adequate ventilation and point extraction at critical points. Keep container in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.

Storage instructions:

Do not store together with: Oxidizing agents. Pyrophoric or self-heating hazardous substances.

Storage class according to TRGS 510: 2B Compressed gas packs (aerosol dispensers)

### 7.3. Specific end use(s)

See use of the product, SECTION 1.2



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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m <sup>3</sup>	Source	Remark	Year
Isobutan	75-28-5 -	1000 / 2400 /	TRGS 900	4(II)	-
butane	106-97-8 203-448-7	1000 / 2400 /	TRGS 900	4(II)	-
propane	74-98-6 200-827-9	1000 / 1800 /	TRGS 900	4 (II)	-
methyl acetate; acetic acid methyl ester	79-20-9 201-185-2	200 / 620 /	TRGS 900	2(I), Y	-
ethyl acetate	141-78-6 205-500-4	200 / 730 /	TRGS 900	2(I)	-
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes	64742-49-0 927-510-4	- / 700 /	TRGS 900	2(II)	-
Hydrocarbons, C6, isoalkanes, < 5% n-hexane	- 931-254-9	- / 700 /	TRGS 900	2(II)	-
cyclohexane	110-82-7 203-806-2	200 / 700 /	TRGS 900		-
n-hexane	110-54-3 203-777-6	50 / 180 /	TRGS 900	8(II), Y	-

#### Biological limit values

Product/Sub- stance name CAS No.	Parameter	Limit value	Test material	## missing phrase ##	Source	Remark	Date
cyclohexane 110-82-7	1,2-Cyclohex- andiol (after hydrolysis)	150 mg/g creatinine	Urine	for long-term exposure: at the end of the shift after sev- eral previous shifts			
n-hexane 110-54-3	2,5-Hexandion plus 4,5- Dihydroxy-2- hexanon (after hydrolysis)	5 mg/l	Urine	end of expos- ure or end of shift			



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DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	DNEL	Chronic (long term) Inhalation	300 mg/m <sup>3</sup>	Workers	Systemic
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	DNEL	Acute (short term) Inhalation	3777 mg/m <sup>3</sup>	Workers	Systemic
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	DNEL	Chronic (long term) Inhalation	620 mg/m <sup>3</sup>	Workers	Local
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	DNEL	Chronic (long term) Dermal	43 mg/kg bw/day	Workers	Systemic
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	DNEL	Chronic (long term) Inhalation	64 mg/m <sup>3</sup>	Consumers	Systemic
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	DNEL	Acute (short term) Inhalation	3777 mg/m <sup>3</sup>	Consumers	Systemic
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	DNEL	Chronic (long term) Inhalation	133 mg/m <sup>3</sup>	Consumers	Local
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	DNEL	Chronic (long term) Dermal	21,5 mg/kg bw/day	Consumers	Systemic
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	DNEL	Acute (short term) Dermal	203 mg/kg bw/day	Consumers	Systemic
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	DNEL	Chronic (long term) Oral	21,5 mg/kg bw/day	Consumers	Systemic
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	DNEL	Acute (short term) Oral	203 mg/kg bw/day	Consumers	Systemic
ethyl acetate (141-78-6/205-500-4)	DNEL	Chronic (long term) Inhalation	734 mg/m <sup>3</sup>	Workers	Systemic
ethyl acetate (141-78-6/205-500-4)	DNEL	Acute (short term) Inhalation	1468 mg/m <sup>3</sup>	Workers	Systemic
ethyl acetate (141-78-6/205-500-4)	DNEL	Chronic (long term) Inhalation	734 mg/m <sup>3</sup>	Workers	Local
ethyl acetate (141-78-6/205-500-4)	DNEL	Acute (short term) Inhalation	1468 mg/m <sup>3</sup>	Workers	Local
ethyl acetate (141-78-6/205-500-4)	DNEL	Chronic (long term) Dermal	63 mg/kg bw/day	Workers	Systemic
ethyl acetate (141-78-6/205-500-4)	DNEL	Chronic (long term) Oral	4,5 mg/kg bw/day	Consumers	Systemic
ethyl acetate (141-78-6/205-500-4)	DNEL	Chronic (long term) Dermal	37 mg/kg bw/day	Consumers	Systemic
ethyl acetate	DNEL	Acute (short term)	734 mg/m <sup>3</sup>	Consumers	Systemic



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(141-78-6/205-500-4)		Inhalation			
ethyl acetate (141-78-6/205-500-4)	DNEL	Chronic (long term) Inhalation	367 mg/m <sup>3</sup>	Consumers	Local
ethyl acetate (141-78-6/205-500-4)	DNEL	Acute (short term) Inhalation	734 mg/m <sup>3</sup>	Consumers	Local
ethyl acetate (141-78-6/205-500-4)	DNEL	Chronic (long term) Inhalation	367 mg/m <sup>3</sup>	Consumers	Systemic
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes (64742-49-0/927-510-4)	DNEL	Chronic (long term) Inhalation	2085 mg/m <sup>3</sup>	Workers	Systemic
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes (64742-49-0/927-510-4)	DNEL	Chronic (long term) Inhalation	447 mg/m <sup>3</sup>	Consumers	Systemic
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes (64742-49-0/927-510-4)	DNEL	Chronic (long term) Dermal	300 mg/kg bw/day	Workers	Systemic
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes (64742-49-0/927-510-4)	DNEL	Chronic (long term) Inhalation	149 mg/kg bw/day	Consumers	Systemic
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes (64742-49-0/927-510-4)	DNEL	Chronic (long term) Oral	149 mg/kg bw/day	Consumers	Systemic
Hydrocarbons, C6, isoalkanes, < 5% n- hexane (-/931-254-9)	DNEL	Chronic (long term) Inhalation	5306 mg/m <sup>3</sup>	Workers	Systemic
Hydrocarbons, C6, isoalkanes, < 5% n- hexane (-/931-254-9)	DNEL	Chronic (long term) Dermal	13964 mg/kg	Workers	Systemic
Hydrocarbons, C6, isoalkanes, < 5% n- hexane (-/931-254-9)	DNEL	Chronic (long term) Inhalation	1131 mg/m <sup>3</sup>	Consumers	Systemic
Hydrocarbons, C6, isoalkanes, < 5% n- hexane (-/931-254-9)	DNEL	Chronic (long term) Dermal	1377 mg/kg bw/day	Consumers	Systemic
Hydrocarbons, C6, isoalkanes, < 5% n- hexane (-/931-254-9)	DNEL	Chronic (long term) Oral	1301 mg/kg bw/day	Consumers	Systemic
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naph- tha	DNEL	Chronic (long term) Inhalation	1,9 mg/m <sup>3</sup>	Workers	Systemic



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Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
(64742-49-0/265-151-9)					
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha (64742-49-0/265-151-9)	DNEL	Chronic (long term) Inhalation	837,5 mg/m <sup>3</sup>	Workers	Local
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha (64742-49-0/265-151-9)	DNEL	Acute (short term) Inhalation	1066,67 mg/m <sup>3</sup>	Workers	Local
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha (64742-49-0/265-151-9)	DNEL	Acute (short term) Inhalation	1286,4 mg/m <sup>3</sup>	Workers	Systemic
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha (64742-49-0/265-151-9)	DNEL	Chronic (long term) Inhalation	0,41 mg/m <sup>3</sup>	Consumers	Systemic
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha (64742-49-0/265-151-9)	DNEL	Acute (short term) Inhalation	1152 mg/m <sup>3</sup>	Consumers	Systemic
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha (64742-49-0/265-151-9)	DNEL	Chronic (long term) Inhalation	178,57 mg/m <sup>3</sup>	Consumers	Local
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha (64742-49-0/265-151-9)	DNEL	Acute (short term) Inhalation	640 mg/m <sup>3</sup>	Consumers	Local
cyclohexane (110-82-7/203-806-2)	DNEL	Chronic (long term) Inhalation	700 mg/m <sup>3</sup>	Workers	Systemic
cyclohexane (110-82-7/203-806-2)	DNEL	Acute (short term) Inhalation	1400 mg/m <sup>3</sup>	Workers	Systemic
cyclohexane (110-82-7/203-806-2)	DNEL	Chronic (long term) Inhalation	700 mg/m <sup>3</sup>	Workers	Local
cyclohexane (110-82-7/203-806-2)	DNEL	Acute (short term) Inhalation	1400 mg/m <sup>3</sup>	Workers	Local
cyclohexane (110-82-7/203-806-2)	DNEL	Chronic (long term) Dermal	2016 mg/kg bw/day	Workers	Systemic
cyclohexane (110-82-7/203-806-2)	DNEL	Chronic (long term) Inhalation	206 mg/m <sup>3</sup>	Consumers	Systemic



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Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
cyclohexane (110-82-7/203-806-2)	DNEL	Acute (short term) Inhalation	412 mg/m <sup>3</sup>	Consumers	Systemic
cyclohexane (110-82-7/203-806-2)	DNEL	Chronic (long term) Inhalation	206 mg/m <sup>3</sup>	Consumers	Local
cyclohexane (110-82-7/203-806-2)	DNEL	Acute (short term) Inhalation	412 mg/m <sup>3</sup>	Consumers	Local
cyclohexane (110-82-7/203-806-2)	DNEL	Chronic (long term) Dermal	1186 mg/kg bw/day	Consumers	Systemic
cyclohexane (110-82-7/203-806-2)	DNEL	Chronic (long term) Oral	59,4 mg/kg bw/day	Consumers	Systemic
n-hexane (110-54-3/203-777-6)	DNEL	Chronic (long term) Inhalation	75 mg/m <sup>3</sup>	Workers	Systemic
n-hexane (110-54-3/203-777-6)	DNEL	Chronic (long term) Dermal	11 mg/kg bw/day	Workers	Systemic
n-hexane (110-54-3/203-777-6)	DNEL	Chronic (long term) Inhalation	16 mg/m <sup>3</sup>	Consumers	Systemic
n-hexane (110-54-3/203-777-6)	DNEL	Chronic (long term) Dermal	5,3 mg/kg bw/day	Consumers	Systemic
n-hexane (110-54-3/203-777-6)	DNEL	Chronic (long term) Oral	4 mg/kg bw/day	Consumers	Systemic

### PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	PNEC	Freshwater	0,12 mg/l
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	PNEC	Intermittent releases (freshwater)	1,2 mg/l
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	PNEC	Marine water	0,012 mg/l
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	PNEC	Sediment (freshwater)	0,128 mg/kg
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	PNEC	Sediment (marine water)	0,0128 mg/kg
methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	PNEC	Oral (Secondary Poisoning)	20,4 mg/kg

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methyl acetate; acetic acid methyl ester (79-20-9/201-185-2)	PNEC	Soil	0,0416 mg/kg
ethyl acetate (141-78-6/205-500-4)	PNEC	Freshwater	0,24 mg/l
ethyl acetate (141-78-6/205-500-4)	PNEC	Marine water	0,024 mg/l
ethyl acetate (141-78-6/205-500-4)	PNEC	Sediment (freshwater)	1,15 mg/kg
ethyl acetate (141-78-6/205-500-4)	PNEC	Sediment (marine water)	0,115 mg/kg
ethyl acetate (141-78-6/205-500-4)	PNEC	Soil	0,148 mg/kg
ethyl acetate (141-78-6/205-500-4)	PNEC	Sewage Treatment Plant	650 mg/l
ethyl acetate (141-78-6/205-500-4)	PNEC	Oral (Secondary Poisoning)	200 mg/kg
ethyl acetate (141-78-6/205-500-4)	PNEC	Intermittent releases (freshwater)	1,65 mg/l

## 8.2. Exposure controls

### Appropriate engineering controls

If local extraction is not possible or insufficient, good ventilation of the work area should be ensured if possible. of the work area should be ensured. Do not inhale gas/vapor/aerosol.

### Personal Protective Equipment Symbols



### Eye / face protection

Wear eye protection/face protection. Suitable eye protection: Frame goggles with side protection DIN EN 166



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## Hand protection

When handling chemical substances, only chemical protective gloves with a CE mark including a four-digit test number may be worn. The design of chemical protective gloves must be depending on the concentration and quantity of hazardous substances. It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.

Glove material: Nitrile rubber

Glove material thickness: 0.4 mm EN ISO 374

Breakthrough time: >480 min

It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.

## Other skin protection

Wear antistatic shoes and work clothing.

## Respiratory protection

Wear respiratory protection if ventilation is inadequate. Suitable respiratory protection device: Combination filter device A-P2

## Environmental exposure controls

Do not allow uncontrolled release of the product into the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

White.

#### Odour

by solvent

#### Melting point / freezing point

Not determined.

#### Boiling point or initial boiling point and boiling range

< 0 °C

#### Flammability

Not determined.

#### Lower and upper explosion limit

Lower: 0.6% by volume; Upper: 11.5% by volume



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**Flash point**

< -20 °C

**Auto-ignition temperature**

> 200 °C

**Decomposition temperature**

Not determined.

**pH**

Not applicable.

**Kinematic viscosity**

Not applicable.

**Solubility**

No data available

**Water solubility**

insoluble

**Partition coefficient n-octanol/water**

Not determined.

**Vapour pressure**

Not determined.

**Density and/or relative density**

0,6625 g/cm<sup>3</sup>

**Method**

calculated

**Relative vapour density**

Not determined.

**Evaporation Rate**

Not determined.

**Explosive properties**

Heating may cause an explosion.

**Oxidising properties**

Not oxidizing.

**VOC %**

594,103 g/l

**Particle characteristics**

Not applicable.



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## 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Vapors can form an explosive mixture with air.

### 10.5. Incompatible materials

There is no information available.

### 10.6. Hazardous decomposition products

No decomposition if stored and handled as directed.

## SECTION 11: Toxicological information

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

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapor) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

#### **Acute toxicity**

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



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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
ethyl acetate 141-78-6 / 205-500-4	LD50	5620 mg/kg	Oral	-	Rat	-	GESTIS
ethyl acetate 141-78-6 / 205-500-4	LD50	> 20000 mg/kg	Dermal	-	Rabbit	-	ECHA
Hydrocarbons, C6, isoalkanes, < 5% n-hexane / 931-254-9	LD50	> 3350 mg/kg	Dermal	-	Rabbit	OECD 402	-
Hydrocarbons, C6, isoalkanes, < 5% n-hexane / 931-254-9	LC50	>20 mg/l	Inhalativ	-	Rat	OECD 403	-
Hydrocarbons, C6, isoalkanes, < 5% n-hexane / 931-254-9	LD50	> 16750 mg/kg	Oral	-	Rat	OECD 401	-
Naphtha (pet- roleum), hydrotreated light; Low boil- ing point hydrogen treated naph- tha 64742-49-0 / 265-151-9	LD50	> 5000 mg/kg	Oral	-	Rat	OECD 401	-
Naphtha (pet- roleum), hydrotreated light; Low boil- ing point hydrogen treated naph- tha 64742-49-0 / 265-151-9	LD50	> 2000 mg/kg	Dermal	-	Rabbit	OECD 402	-
Naphtha (pet-	LC50	> 4,96 mg/l	Inhalative	4 hours	Rat	OECD 403	-



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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline	Remarks
roleum), hydrotreated light; Low boiling point hydrogen treated naphtha 64742-49-0 / 265-151-9							
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes 64742-49-0 / 927-510-4	LD50	>2800-3100 mg/kg	Dermal	-	Rat	-	-
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes 64742-49-0 / 927-510-4	LC50	>23,3 mg/l	Inhalativ	4 hours	Rat	OECD 403	-
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes 64742-49-0 / 927-510-4	LD50	> 7100 - 7800 mg/kg	Oral	-	Rat	OECD 403	-
methyl acetate; acetic acid methyl ester 79-20-9 / 201-185-2	LD50	6482 mg/kg	Oral	-	Rat	OECD 401	-
methyl acetate; acetic acid methyl ester 79-20-9 / 201-185-2	LD50	> 2000 mg/kg	Dermal	-	Rat	-	-
n-hexane 110-54-3 / 203-777-6	LD50	> 2000 mg/kg	Dermal	-	Rat	-	-



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### **Skin corrosion/irritation**

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.

### **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 drowsiness or dizziness. ( Methyl acetate; acetic acid methyl ester; ethyl acetate; acetic acid ethyl ester )

### **STOT-repeated exposure**

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

### **Aspiration hazard**

May be fatal if swallowed and enters the respiratory tract.

## 11.2. Information on other hazards

### **Endocrine disrupting properties**

This product does not contain any substance that exhibits endocrine disrupting properties towards humans, as no ingredient meets the criteria.

### **Other information**

The mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

#### **Acute toxicity**

Harmful to aquatic life with long lasting effects.

#### **Acute fish toxicity**



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Product / Sub- stance name CAS / EC no.	Measurement type	Value / Result	Duration of expos- ure	Species	Method / Guideline
butane 106-97-8 / 203-448-7	NOEC	1,813 mg/l	30 days	fish	-
butane 106-97-8 / 203-448-7	LC50	25,37 mg/l	96 hours	fish	-
ethyl acetate 141-78-6 / 205-500-4	NOEC	< 9,65 mg/l	32 days	Pimephales pro- melas (Fat-head Minnow)	-
ethyl acetate 141-78-6 / 205-500-4	LC50	230 mg/l	96 hours	Pimephales pro- melas (Fat-head Minnow)	-
Naphtha (petro- leum), hydrotreated light; Low boiling point hydrogen treated naphtha 64742-49-0 / 265- 151-9	NOEC	2,6 mg/l	21 days	Daphnia magna	OECD 211
Naphtha (petro- leum), hydrotreated light; Low boiling point hydrogen treated naphtha 64742-49-0 / 265- 151-9	LL50	8,2 mg/l	96 hours	Pimephales pro- melas (Fat-head Minnow)	-
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes 64742-49-0 / 927- 510-4	LL50	13,4 mg/l	96 hours	Onchorhynchus mykiss (Rainbow trout)	OECD Guideline 203
Hydrocarbons, C6, isoalkanes, < 5% n- hexane / 931-254-9	LC50	18,3 mg/l	96 hours	Onchorhynchus mykiss (Rainbow trout)	-
propane 74-98-6 / 200-827-9	LC50	53,141 mg/l	96 hours	fish	-
propane 74-98-6 / 200-827-9	NOEC	3,599 mg/l	30 days	fish	-
n-hexane 110-54-3 / 203-777-	LC50	2,5 mg/l	96 hours	Pimephales pro- melas (Fat-head	-



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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
6				Minnow)	

### Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
butane 106-97-8 / 203-448-7	ErC50	12,405 mg/l	96 hours	Green algae	-
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha 64742-49-0 / 265-151-9	ErC50	3,1 mg/l	72 hours	Raphidocelis subcapitata	OECD 201
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes 64742-49-0 / 927-510-4	ErC50	12 mg/l	72 hours	Pseudokirchneriella subcapitata	OECD Guideline 201
Hydrocarbons, C6, isoalkanes, < 5% n-hexane / 931-254-9	ErC50	13,6 mg/l	72 hours	Pseudokirchneriella subcapitata	-
propane 74-98-6 / 200-827-9	ErC50	20,586 mg/l	96 hours	Green algae	-
methyl acetate; acetic acid methyl ester 79-20-9 / 201-185-2	ErC50	> 120 mg/l	72 hours	Desmodesmus subspicatus	-

### Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline
butane	EC50	14,818 mg/l	48 hours	-	Daphnid	-



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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline
106-97-8 / 203-448-7						
butane 106-97-8 / 203-448-7	NOEC	1,105 mg/l	30 days	-	Daphnid	-
ethyl acetate 141-78-6 / 205-500-4	NOEC	2,4 mg/l	21 days	-	Daphnia magna	-
Naphtha (petroleum), hydro-treated light; Low boiling point hydrogen treated naphtha 64742-49-0 / 265-151-9	EL50	4,5 mg/l	48 hours	-	Daphnia magna	OECD 202
Naphtha (petroleum), hydro-treated light; Low boiling point hydrogen treated naphtha 64742-49-0 / 265-151-9	NOEC	2,6 mg/l	21 days	-	Daphnia magna	OECD 211
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes 64742-49-0 / 927-510-4	EL50	7,4 mg/l	48 hours	-	Daphnia magna	OECD 202
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes 64742-49-0 / 927-510-4	NOEC	1 mg/l	21 days	-	Daphnia magna	OECD Guideline 211
Hydrocarbons, C6, isoalkanes, < 5% n-hexane / 931-254-9	EC50	3,87 mg/l	-	48 hours	Daphnia magna	-
propane 74-98-6 / 200-827-9	EC50	29,662 mg/l	48 hours	-	Daphnid	-



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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline
propane 74-98-6 / 200-827-9	NOEC	1,95 mg/l	30 days	-	Daphnid	-
n-hexane 110-54-3 / 203-777-6	EC50	2,1 mg/l	48 hours	-	Daphnia magna	-
methyl acetate; acetic acid methyl ester 79-20-9 / 201-185-2	EC50	1026,7 mg/l	48 hours	-	Daphnia magna	OECD 202

### Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
methyl acetate; acetic acid methyl ester 79-20-9 / 201-185-2	EC50	6100 mg/l	0,5 hours	Photobacterium phosphoreum

### 12.2. Persistence and degradability

The product has not been tested.

Product / Substance name CAS / EC no.	Type of test	Duration	Result
ethyl acetate 141-78-6 / 205-500-4	-	5 days	62 % Readily biodegradable according to OECD criteria
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes 64742-49-0 / 927-510-4	-	28 days	81 % Readily biodegradable according to OECD criteria
Hydrocarbons, C6, isoalkanes, < 5% n-hexane / 931-254-9	OECD 301F	28 days	98 % Readily biodegradable according to OECD criteria

### 12.3. Bioaccumulative potential

The product has not been tested.



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Product / Substance name CAS / EC no.	LogKow / LogPow	Bioconcentration factor (BCF)
butane 106-97-8 / 203-448-7	2,89	-
ethyl acetate 141-78-6 / 205-500-4	0,68	30
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes 64742-49-0 / 927-510-4	>= 3,07	>= 95,35
Hydrocarbons, C6, isoalkanes, < 5% n- hexane / 931-254-9	3,6	-
propane 74-98-6 / 200-827-9	2,36	-
n-hexane 110-54-3 / 203-777-6	3,9	-
methyl acetate; acetic acid methyl ester 79-20-9 / 201-185-2	0,18	-

## 12.4. Mobility in soil

### Mobility

The product has not been tested.

## 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not fulfill the PBT/vPvB criteria according to REACH, Annex XIII.

## 12.6. Endocrine disrupting properties

This product does not contain any substance that exhibits endocrine disrupting properties towards non-target organisms, as no ingredient fulfills the criteria.

## 12.7. Other adverse effects

No further relevant information available.

## Other

Do not allow to enter drains or waterways. Do not allow to enter the subsoil/soil.

### German Water Class

WGK2 - significantly water endangering



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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal considerations

Do not allow to enter drains or waterways. Do not allow to enter the subsoil/soil. Disposal in accordance with official regulations.

#### Packaging

Contaminated packaging must be disposed of in the same way as the substance. Non-contaminated and completely emptied packaging can be recycled. Contact the responsible authorized waste disposal company for waste disposal.

Waste code	Waste description
16 05 04*	gases in pressure containers (including halons) containing hazardous substances

Please note - an asterisk (\*) next to a code denotes that it is HAZARDOUS WASTE.

## SECTION 14: Transport information

### 14.1. UN number

1950

### 14.2. UN proper shipping name

#### ADR / RID / ADN proper shipping name

AEROSOLS, flammable

#### IMDG proper shipping name

AEROSOLS

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## 14.3. Transport hazard class(es)

### Label

ADR/RID/ADN



2.1

IMDG



2.1

### ADR / RID Class

2

Tunnel restriction code: D

Transportation category: 2

### ADR / RID Classification code

5F

### IMDG Class

2

## 14.4. Packing group

ADR: -

IMDG: -

## 14.5. Environmental hazards

No.

### IMDG Marine Pollutant

No.

## 14.6. Special precautions for user

Caution: Flammable gases.

### IMDG EmS

F-D, S-U

## 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.



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## Other

### Additional information ADR-RID

Limited quantity: 1 L

Exempted quantity E0

### Additional information IMDG

Limited quantity: 1 L

Exempted quantity E0

## SECTION 15: Regulatory information

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

#### EU regulations

Annex XVII (REACH): The product is subject to the following restrictions according to Annex XVII, Regulation (EC) 1907/2006 (REACH): 3 , 28 , 29 , 40 , 57 , 75

Directive 2010/75/EU on industrial emissions: 89,676 % (594,103 g/l)

Directive 2004/42/EC on VOC paints and varnishes: 89,676 % (594,103 g/l)

Information on the SEVESO III Directive 2012/18/EU: P3a FLAMMABLE AEROSOLE

Additional information To be observed: 850/2004/EC, 1107/2009/EC, 649/2012/EC Aerosol Directive (75/324/EEC).

#### National regulations

Employment restrictions: Observe employment restrictions for young people (§ 22 JArbSchG)

Water hazard class (WGK): 2, significantly hazardous to water.

Storage class: 2B Compressed gas packs (aerosol dispensers)

Status Classification of mixtures according to Annex 1, No. 5 AwSV

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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## SECTION 16: Other information

### Phrase meaning

Aerosol 1 - Aerosol, Hazard category 1

Asp. Tox. 1 - Aspiration hazard, hazard category 1

Skin Irrit. 2 - Skin irritation, hazard category 2

Eye Irrit. 2 - Eye irritation, hazard category 2

STOT SE 3 - narcosis - Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis

Aquatic Chronic 3 - Hazardous to the aquatic environment — Chronic hazard category 3

Flam. Gas 1 - Flammable gases, hazard category 1

Press. Gas - Liquefied gas - Gases under pressure, Liquefied gas

Flam. Liq. 2 - Flammable liquids, hazard category 2

Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2

Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1

Aquatic Chronic 1 - Hazardous to the aquatic environment — Chronic hazard category 1

Repr. 2 - Reproductive toxicity, hazard category 2

STOT RE 2 - Specific Target Organ Toxicity — Repeated exposure, hazard category 2

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H225 Highly flammable liquid and vapour.

H229 Pressurised container: May burst if heated

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361f Suspected of damaging fertility

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.

EUH066 Repeated exposure may cause skin dryness or cracking.

### Other

#### Additional information

The information is based on our current state of knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship. The recipient of our products is responsible for observing existing laws and regulations. The information in this safety data sheet corresponds to the best of our knowledge at the time of printing. The information is intended to provide you with guidelines for the safe handling of the product mentioned in this safety data sheet during storage, processing, transportation and disposal. The information is not transferable to other products. If the product is mixed, blended or processed with other materials processed or subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.



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**Manufacturer's notes**

The data of the relevant components were taken from the latest safety data sheet of the upstream supplier.