

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 29 Aug 2022

Print date: 21 Sep 2022

Version: 0.1

FSG Schäfer GmbH

Instandsetzungs-Materialien für Möbeloberflächen



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## FSG-Nitrocellulose-Thinner

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

#### 1.1. Product identifier

Trade name/designation:

FSG-Nitrocellulose-Thinner

Article No.:

RE19000

UFI:

38MP-S11M-3001-355W

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

Use of the substance/mixture:

Solvent

Relevant identified uses:

**Sector of uses [SU]**

**SU 18:** Manufacture of furniture

**Article categories [AC]**

**AC 11e:** Wood articles: Furniture & furnishings

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

**Manufacturer:**

**FSG Schäfer GmbH**

Boschstraße 14  
48703 Stadtlohn  
GERMANY

**Telephone:** +49 (0) 25 63 - 93 95 - 0

**Telefax:** +49 (0) 25 63 - 93 95 - 25

**E-mail:** verkauf@fsg-schaefer.de

**Website:** www.fsg-schaefer.de

**E-mail (competent person):** sdb@fsg-schaefer.de

Only for information: National Poisons Information Service (Birmingham Unit): 844 892 0111

#### 1.4. Emergency telephone number

24h: Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department., Office FSG: +49 (0) 2563 93950. (Only available during office hours.)

### SECTION 2: Hazards identification

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

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids ( <i>Flam. Liq. 2</i> )	H225: Highly flammable liquid and vapour.	
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
STOT-single exposure ( <i>STOT SE 3</i> )	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

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### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



**GHS02**  
Flame



**GHS07**  
Exclamation mark



**GHS08**  
Health hazard

Signal word: Danger

#### Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

#### Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

#### Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Supplemental hazard information: none

#### Precautionary statements Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

#### Precautionary statements Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/First aider.

P331 Do NOT induce vomiting.

#### Precautionary statements Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Special rules for supplemental label elements for certain mixtures:

19,9 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (oral).

75,9 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (dermal).

23,9 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (inhalative).

19,9 % percent of the mixture consists of components of unknown hazards to the aquatic environment.

### 2.3. Other hazards

No data available

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Description:

Mixture of following listed substances with nonhazardous additions.

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5	ethanol Flam. Liq. 2 (H225) <b>Danger</b>	33 - < 60 weight-%
EC No.: 920-750-0 REACH No.: 01-2119473851-33-0XXX	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), Flam. Liq. 2 (H225), STOT SE 3 (H336)   <b>Danger</b>	6 - ≤ 12 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
<b>CAS No.:</b> 123-86-4 <b>EC No.:</b> 204-658-1 <b>Index No.:</b> 607-025-00-1 <b>REACH No.:</b> 01-2119485493-29-0007	<b>n-butyl acetate</b> Flam. Liq. 3 (H226), STOT SE 3 (H336) <b>Warning</b> EUH066	6 - ≤ 10 weight-%
<b>CAS No.:</b> 141-78-6 <b>EC No.:</b> 205-500-4 <b>Index No.:</b> 607-022-00-5 <b>REACH No.:</b> 01-2119475103-46	<b>ethyl acetate</b> Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) <b>Danger</b> EUH066	2 - ≤ 5 weight-%

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

#### Following inhalation:

Provide fresh air. Get medical advice/attention if you feel unwell. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

#### Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Observe risk of aspiration if vomiting occurs. Let 1 glass of water be drunken in little sips (dilution effect). Do NOT induce vomiting. Get immediate medical advice/attention.

#### Self-protection of the first aider:

Use personal protection equipment.

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

Pneumonia, Pulmonary oedema, Dizziness, Dizziness.

### 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, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>).  
Fire extinguishers Fire class B.

#### Unsuitable extinguishing media:

Full water jet.

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

Combustible.

#### Hazardous combustion products:

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide Pyrolysis products, toxic, carbon black.

In case of fire: Gases/vapours, toxic.

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

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### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

**Personal precautions:**

Special danger of slipping by leaking/spilling product. Remove persons to safety. Keep locked up and out of reach of children.

**Protective equipment:**

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

#### 6.1.2. For emergency responders

**Personal protection equipment:**

Personal protection equipment: see section 8.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided.

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

**For containment:**

Soak up inert absorbent and dispose as waste requiring special attention.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up:**

Clean with detergents. Avoid solvent cleaners.

### 6.4. Reference to other sections

Safe handling: see section 7.

Personal protection equipment: see section 8.

Disposal: see section 13.

### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

Do not breathe gas/fumes/vapour/spray. Repeated exposure may cause skin dryness or cracking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Wear personal protection equipment (refer to section 8).

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children. Keep out of reach of children.

**Fire prevent measures:**

Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking.

**Measures to prevent aerosol and dust generation:**

If possible, do not use for spraying. Wipe for cleaning

**Environmental precautions:**

Discharge into the environment must be avoided.

**Advices on general occupational hygiene**

Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

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

**Technical measures and storage conditions:**

Keep container tightly closed in a cool, well-ventilated place.

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### Packaging materials:

Material, solvent-resistant, Keep/Store only in original container.

### Requirements for storage rooms and vessels:

Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

### Hints on storage assembly:

Keep away from combustible material. Do not store together with:

Combustible substances of acute toxicity, category 1 and 2 / very toxic substances

Non-combustible substances of acute toxicity, category 1 and 2 / very toxic substances

Combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects

Non-combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects.

**Storage class (TRGS 510, Germany):** 3 - Flammable liquids

### 7.3. Specific end use(s)

#### Recommendation:

Observe technical data sheet.

#### Industrial sector specific solutions:

Special thinners

#### GISCODE:

M-VM04

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IE	ethanol CAS No.: 64-17-5 EC No.: 200-578-6	② 1,000 ppm
WEL (GB)	ethanol CAS No.: 64-17-5 EC No.: 200-578-6	① 1,000 ppm (1,920 mg/m <sup>3</sup> )
IE	n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	① 50 ppm (241 mg/m <sup>3</sup> ) ② 150 ppm (723 mg/m <sup>3</sup> ) ⑤ IOELV
IOELV (EU)	n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	① 50 ppm (241 mg/m <sup>3</sup> ) ② 150 ppm (723 mg/m <sup>3</sup> )
IE	ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	① 200 ppm (734 mg/m <sup>3</sup> ) ② 400 ppm (1,468 mg/m <sup>3</sup> ) ⑤ IOELV
WEL (GB)	ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	① 200 ppm (734 mg/m <sup>3</sup> ) ② 400 ppm (1,468 mg/m <sup>3</sup> )
IOELV (EU)	ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	① 200 ppm (734 mg/m <sup>3</sup> ) ② 400 ppm (1,468 mg/m <sup>3</sup> )
IE	isopropyl acetate CAS No.: 108-21-4 EC No.: 203-561-1	① 100 ppm ② 150 ppm

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Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
WEL (GB)	isopropyl acetate CAS No.: 108-21-4 EC No.: 203-561-1	② 200 ppm (849 mg/m <sup>3</sup> )

### 8.1.2. Biological limit values

No data available

### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	950 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	114 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	1,900 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, local effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	950 mg/m <sup>3</sup>	① DNEL Consumer ② Acute - inhalation, local effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	343 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	206 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	87 mg/kg bw/day	① DNEL worker ② Long-term - oral, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	87 mg/kg bw/day	① DNEL worker ② Acute - oral, systemic effects
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics EC No.: 920-750-0	2,035 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics EC No.: 920-750-0	608 mg/m <sup>3</sup>	① DNEL Consumer ② Acute - inhalation, systemic effects
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics EC No.: 920-750-0	773 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics EC No.: 920-750-0	699 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics EC No.: 920-750-0	699 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	48 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	102.34 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	859.7 mg/m <sup>3</sup>	① DNEL Consumer ② Acute - inhalation, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	480 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	600 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, local effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	7 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	11 mg/kg bw/ day	① DNEL worker ② Acute - dermal, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	734 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	367 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	1,468 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	734 mg/m <sup>3</sup>	① DNEL Consumer ② Acute - inhalation, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	734 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	367 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	1,468 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, local effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	734 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, local effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	63 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	73 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	4.5 mg/kg bw/ day	① DNEL worker ② Long-term - oral, systemic effects
Substance name	PNEC Value	① PNEC type
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.96 mg/L	① PNEC aquatic, freshwater
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.76 mg/L	① PNEC aquatic, marine water
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	580 mg/L	① PNEC sewage treatment plant

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Substance name	PNEC Value	① PNEC type
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	3.6 mg/kg	① PNEC sediment, freshwater
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.63 mg/kg	① PNEC soil, freshwater
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.18 mg/L	① PNEC aquatic, freshwater
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.018 mg/L	① PNEC aquatic, marine water
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	35.6 mg/L	① PNEC sewage treatment plant
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.981 mg/L	① PNEC sediment, freshwater
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.0981 mg/L	① PNEC sediment, marine water
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.36 mg/L	① PNEC aquatic, intermittent release
n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1	0.0903 mg/L	① PNEC soil, freshwater
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	240 µg/L	① PNEC aquatic, freshwater
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	24 µg/L	① PNEC aquatic, marine water
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	6,520 mg/L	① PNEC sewage treatment plant
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	1.15 mg/kg	① PNEC sediment, freshwater
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	0.115 mg/kg	① PNEC sediment, marine water
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	0.148 mg/kg	① PNEC soil
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	200 mg/kg	① PNEC secondary poisoning
ethyl acetate CAS No.: 141-78-6 EC No.: 205-500-4	1.65 mg/L	① PNEC aquatic, intermittent release

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. generation/formation of aerosols: Technical ventilation of workplace.



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### 8.2.2. Personal protection equipment



#### Eye/face protection:

Eye glasses with side protection EN 166

#### Skin protection:

In full contact: Suitable material: Butyl caoutchouc (butyl rubber), Thickness of the glove material >0,7 mm, Breakthrough time: >480 min.

In splash contact: Suitable material: Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber), Thickness of the glove material >0,4 mm, Breakthrough time: > 120 min.

The following gloves may be used: Ultranitрил 492, MAPA Professionnel & Nitril/Neopren Microflex 93-260 (EN374 (JKL), EN388 (2000); Kat.III; AQL 0,65).

Check leak tightness/impermeability prior to use. Tested protective gloves must be worn EN ISO 374. In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

#### Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Filtering device with filter or ventilator filtering device of type: AX.

#### Thermal hazards:

Risk of explosion if heated under confinement.

#### Other protection measures:

Wear suitable protective clothing.

### 8.2.3. Environmental exposure controls

No data available

## SECTION 9: Physical and chemical properties

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

#### Appearance

Physical state: Liquid

Colour: clear

Odour: Ethanol

#### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	not determined		
Melting point	not determined		
Freezing point	not determined		
Initial boiling point and boiling range	154 °C		
Decomposition temperature	not determined		
Flash point	12 °C		
Evaporation rate	not determined		
Auto-ignition temperature	not determined		
Upper/lower flammability or explosive limits	not determined		
Vapour pressure	not determined		
Vapour density	not determined		
Density	1.03 g/cm <sup>3</sup>	20 °C	
Relative density	not determined		
Bulk density	not determined		
Water solubility	not determined		
Partition coefficient: n-octanol/water	not determined		
Dynamic viscosity	not determined		

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Parameter	Value	at °C	① Method ② Remark
Kinematic viscosity	<i>not determined</i>		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Do not spray on an open flame or other ignition source. Highly flammable liquid and vapour.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions/Exothermic reaction with: Acid, Light metals (Formation of: Hydrogen).

### 10.4. Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 10.5. Incompatible materials

Oxidising agent.

### 10.6. Hazardous decomposition products

In case of warming: Flammable solvent vapor mixtures are possible.  
Gases/vapours, toxic.

## SECTION 11: Toxicological information

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

<b>n-butyl acetate</b> CAS No.: 123-86-4 EC No.: 204-658-1
<b>LD<sub>50</sub> oral:</b> 10,760 mg/kg (Ratte) OECD Prüfrichtlinie 423
<b>LD<sub>50</sub> dermal:</b> >14,112 mg/kg (Rabbit) OECD Prüfrichtlinie 402
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> 23.4 mg/L 4 h (Rat) OECD Prüfrichtlinie 403
<b>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics</b> EC No.: 920-750-0
<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Rat) MSDS Distributor
<b>LD<sub>50</sub> dermal:</b> 2,800 - 3,100 mg/kg (Rat) ECHA
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 23.3 mg/L 4 h (Rat) ECHA
<b>ethyl acetate</b> CAS No.: 141-78-6 EC No.: 205-500-4
<b>LD<sub>50</sub> oral:</b> 5,620 mg/kg (Rat)
<b>LD<sub>50</sub> dermal:</b> >20,000 mg/kg (Rabbit)

#### Acute oral toxicity:

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

#### Acute dermal toxicity:

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

#### Acute inhalation toxicity:

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

#### Skin corrosion/irritation:

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

#### Serious eye damage/irritation:

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

#### 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.

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### 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.

### STOT-repeated exposure:

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

### Aspiration hazard:

May be fatal if swallowed and enters airways.

### Additional information:

No data available

### 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>n-butyl acetate</b> CAS No.: 123-86-4 EC No.: 204-658-1
LC <sub>50</sub> : 18 mg/L 4 d (fish, Pimephales promelas) OECD Prüfrichtlinie 203
EC <sub>50</sub> : 32 - 44 mg/L 2 d (crustaceans, Daphnia magna)
EC <sub>50</sub> : 246 - 647.7 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) Wachstumshemmung
NOEC: 105 - 196 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) Wachstumshemmung
NOEC: 23.2 mg/L 21 d (crustaceans)
IC <sub>50</sub> : 356 mg/L 2 d (Tetrahymena)
<b>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics</b> EC No.: 920-750-0
LC <sub>50</sub> : 10 - 30 mg/L 3 d (fish) ECHA
EC <sub>50</sub> : 4.6 - 10 mg/L 2 d (crustaceans) ECHA
NOEC: 0.17 mg/L 21 d (crustaceans) ECHA
EC <sub>50</sub> : 10 - 30 mg/L 3 d (Algae/water plant) ECHA
<b>ethyl acetate</b> CAS No.: 141-78-6 EC No.: 205-500-4
LC <sub>50</sub> : 212 - 484 mg/L 4 d (fish)
LC <sub>50</sub> : 154 - 1,600 mg/L 2 d (crustaceans)
EC <sub>50</sub> : 2,500 - 2,500 mg/L 4 d (Algae/water plant)

### Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

<b>n-butyl acetate</b> CAS No.: 123-86-4 EC No.: 204-658-1
Biodegradation: Yes, rapidly
Remark: 83 % (aerob; Expositionsdauer: 28 d)(OECD Prüfrichtlinie 301D)
<b>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics</b> EC No.: 920-750-0
Biodegradation: Yes, rapidly
Remark: Inherently biodegradable. bioaccumulation possible.
<b>ethyl acetate</b> CAS No.: 141-78-6 EC No.: 205-500-4
Biodegradation: Yes, rapidly

### 12.3. Bioaccumulative potential

<b>n-butyl acetate</b> CAS No.: 123-86-4 EC No.: 204-658-1
Log K <sub>OW</sub> : 2.3
<b>ethyl acetate</b> CAS No.: 141-78-6 EC No.: 205-500-4
Log K <sub>OW</sub> : 0.73

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### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

<b>n-butyl acetate</b> CAS No.: 123-86-4 EC No.: 204-658-1
<b>Results of PBT and vPvB assessment:</b> —
<b>Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics</b> EC No.: 920-750-0
<b>Results of PBT and vPvB assessment:</b> This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
<b>ethyl acetate</b> CAS No.: 141-78-6 EC No.: 205-500-4
<b>Results of PBT and vPvB assessment:</b> This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

14 06 03 *	other solvents and solvent mixtures
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\*: Evidence for disposal must be provided.

Directive 2008/98/EC (Waste Framework Directive)

HP 3	Flammable
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#### Remark:

Изхвърляне съгласно Наредбата за предотвратяване и обезвреждане на отпадъци (VVEA, ehem. TVA) ШВЕЙЦАРИЯ - Код на отпадъците: 1101 - Нехалогенирани разтворители

Waste code packaging

15 01 04	metallic packaging
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### Waste treatment options

#### Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

#### Appropriate disposal / Package:

Completely emptied packages can be recycled.

#### Other disposal recommendations:

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

### 13.2. Additional information

Return to Distributor.. Allow the product to evaporate under a fresh air supply. Households can return chemicals to the retail trade, to the collection points or to special collectibles of the municipality or the canton, up to 10Kg per year for the end user free of charge (Switzerland). To protect the environment, do not dispose of the drain.

## SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
UN 1993	UN 1993	UN 1993	UN 1993
<b>14.2. UN proper shipping name</b>			
FLAMMABLE LIQUID, N.O.S. (Ethanol, n-Butyl acetate)	FLAMMABLE LIQUID, N.O.S. (Ethanol, n-Butyl acetate)	FLAMMABLE LIQUID, N.O.S. (Ethanol, n-Butyl acetate)	FLAMMABLE LIQUID, N.O.S. (Ethanol, n-Butyl acetate)

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.3. Transport hazard class(es)</b>			
<b>14.4. Packing group</b>			
II	II	II	II
<b>14.5. Environmental hazards</b>			
		MARINE POLLUTANT	
<b>14.6. Special precautions for user</b>			
<b>Special Provisions:</b> 640D <b>Limited quantity (LQ):</b> 1L <b>Hazard identification number (Kemler No.):</b> 33 <b>Classification code:</b> F1 <b>Tunnel restriction code:</b> (D/E)	<b>Special Provisions:</b> 640D <b>Limited quantity (LQ):</b> 1L <b>Classification code:</b> F1	<b>Special Provisions:</b> 640D <b>Limited quantity (LQ):</b> 1 L <b>EmS-No.:</b> F-E, S-D	<b>Special Provisions:</b> 640D <b>Limited quantity (LQ):</b> 1L

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

not determined

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### Restrictions on use:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented.

##### Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive], Hazard categories:

- P5a Flammable Liquids, Category 1 or 2
- P5b Flammable liquids
- P5c Flammable liquids of Categories 2 or 3, not covered by P5a and P5b

##### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 80.1 weight-%

#### 15.1.2. National regulations

##### [GB] National regulations

##### Other regulations, restrictions and prohibition regulations

Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

Regulation 850/2004/EC on persistent organic pollutants (POP)

Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)

#### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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### SECTION 16: Other information

#### 16.1. Indication of changes

No data available

#### 16.2. Abbreviations and acronyms

For abbreviations and acronyms, see ECHA: Guidance on information requirements and chemical safety assessment, Chapter R.20 (list of terms and abbreviations).

#### 16.3. Key literature references and sources for data

No data available

#### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids ( <i>Flam. Liq. 2</i> )	H225: Highly flammable liquid and vapour.	
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
STOT-single exposure ( <i>STOT SE 3</i> )	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	

#### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

  

Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.

#### 16.6. Training advice

No data available

#### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.