

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

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## Techno Solv Eco 1l

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

#### \* 1.1. Product identifier

Trade name/designation:

Techno Solv Eco 1l

Article No.:

T110232

UFI:

1TPU-DJG3-5W5F-55GK

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

Use of the substance/mixture:

Solvent mixture for removing adhesives

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

Supplier:

**KANDO Service GmbH**

Hartleitnerstraße 3

4653 Eberstälzell

Austria

Telephone: +43 (0) 7241 213 79

E-mail: msds@kando.eu

#### 1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (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
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )	H319: Causes serious eye irritation.	
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
Respiratory or skin sensitisation ( <i>Skin Sens. 1B</i> )	H317: May cause an allergic skin reaction.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 2</i> )	H411: Toxic to aquatic life with long lasting effects.	

#### \* 2.2. Label elements

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

Hazard pictograms:



**GHS08**

Health hazard



**GHS09**

Environment



**GHS07**

Exclamation mark

**Signal word:** Danger

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### Hazard components for labelling:

(R)-p-mentha-1,8-diene; Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statements for health hazards	
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Hazard statements for environmental hazards	
H411	Toxic to aquatic life with long lasting effects.

Supplemental hazard information: none

Precautionary statements Prevention	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ .

Precautionary statements Response	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/ .
P331	Do NOT induce vomiting.
P391	Collect spillage.

### 2.3. Other hazards

#### Other adverse effects:

Based on the available information, the product does not contain any PBT or vPvB substances in content percentages  $\geq 0.1\%$ .

The product does not contain any substances with endocrine-disrupting properties in concentrations of  $\geq 0.1\%$ .

## SECTION 3: Composition/information on ingredients

### \* 3.2. Mixtures

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

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64742-47-8 EC No.: 926-141-6 Index No.: 649-422-00-2 REACH No.: 01-2119456620-43-XXXX	<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> Asp. Tox. 1 (H304) Danger <b>Acute Toxicity Estimate</b> ATE (oral) > 5,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, vapour) > 5 mg/L <b>Additional information:</b> EUH066	$\geq 47.5 - < 50$ weight-%
CAS No.: 5131-66-8 EC No.: 225-878-4 Index No.: 603-052-00-8 REACH No.: 01-2119475527-28	<b>1-butoxypropan-2-ol</b> Eye Irrit. 2 (H319), Flam. Liq. 3 (H226), Skin Irrit. 2 (H315) Warning <b>Acute Toxicity Estimate</b> ATE (oral) 3,300 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, vapour) > 3.5 mg/L ATE (inhalation, dust/mist) > 3.52 mg/L	$\geq 21 - < 22.5$ weight-%

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

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## Techno Solv Eco 1l

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information:

If in doubt or if symptoms occur, consult a doctor and show them this document. In the event of severe symptoms, call the emergency services immediately.

##### Following inhalation:

The person concerned shall be carried outside, away from the scene of the accident. If breathing stops, artificial respiration shall be given. Where appropriate artificial ventilation. If unconscious but breathing normally, place in recovery position and seek medical advice.

##### In case of skin contact:

Take off immediately all contaminated clothing. Wash with plenty of water. A doctor must be consulted immediately. Avoid contact with contaminated clothing.

##### After eye contact:

Any contact lenses must be removed. One must immediately and extensively wash with water for at least 15 minutes, opening the eyelids well. A doctor must be consulted immediately.

##### Following ingestion:

Do not induce vomiting unless explicitly authorised by a doctor. Never give anything by mouth to an unconscious person or a person with cramps. A doctor must be consulted immediately.

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

Use personal protection equipment. The type of equipment depends on the hazardousness of the substance or mixture, the type of exposure and the extent of contamination. If no further specific information is given, disposable gloves should be worn in case of possible contact with biological fluids. For further information on personal protective equipment: see section 8.

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

There is no known specific information on symptoms and effects caused by this product.

Based on the information currently available, there are no known cases of delayed effects following exposure to the product.

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

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

In case of skin contact, Eye contact: Wash with plenty of water/soap.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media:

Carbon dioxide, Foam, Powder-, Water mist

##### Unsuitable extinguishing media:

Nothing special.

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

Avoid inhalation of combustion products.

#### 5.3. Advice for firefighters

The containers shall be cooled with water jets to prevent the decomposition of the product and the formation of potentially harmful substances. Complete fire protective clothing shall be worn at all times. Extinguishing water that is not allowed to enter the sewage pipes shall be collected. The water used for extinguishing and the fire residues shall be taken up in accordance with the regulations in force.

Personal protection: Normal firefighting clothing, e.g. an open-circuit compressed air respirator (EN 137) firefighting kit (EN469), firefighting gloves (EN 659) and firefighting boots (HO A 29 or A30)

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### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

###### Personal precautions:

The leakage may be blocked if there is no danger. Appropriate protective devices (including personal protective devices as per para. 8 from the safety instructions) shall be put on to prevent contamination of skin, eyes and personal clothing. These instructions apply to both reprocessing supervisors and emergency stop interventions.

##### 6.1.2. For emergency responders

No data available

#### 6.2. Environmental precautions

Prevent the product from entering waste water, surface water, ground water.

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

##### Other information:

The spilled product must be sucked into a suitable container. The container to be used shall be tested for compatibility with the product, subject to section 10. The residual product shall be absorbed with inert absorbent material. Adequate ventilation of the affected area shall be provided. Contaminated material must be disposed of in accordance with the regulations in section 13.

#### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

Keep away from heat, sparks and free flame, refrain from smoking and use of matches or lighters.

Without the necessary ventilation, vapours may accumulate in the lower layers near the floor and may also ignite remotely with the risk of flashback. Accumulation of electrostatic charges must be avoided. Eating, drinking and smoking are prohibited during product use. Wetted clothing and protective devices must be removed before entering the eating area. Avoid dispersal of the product in the environment.

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

##### Requirements for storage rooms and vessels:

Store only in original containers. It must be stored in a cool and well-ventilated place, away from heat sources, free flame, sparks and other sources of ignition. The containers must be kept away from any incompatible materials, whereby reference must be made to section 10.

**Storage class (TRGS 510, Germany):** 12 – non-combustible liquids that cannot be assigned to any of the above storage classes

#### 7.3. Specific end use(s)

No data available

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## Techno Solv Eco 1I

### 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
MAK (AT)	<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> CAS No.: 64742-47-8 EC No.: 926-141-6	① 200 mL/m <sup>3</sup> ② 400 mL/m <sup>3</sup> ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von weniger als 1 %, an n-Hexan von weniger als 5 % und an Cyclo-/Isohexanen von weniger als 25 %)
MAK (AT)	<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> CAS No.: 64742-47-8 EC No.: 926-141-6	① 170 mL/m <sup>3</sup> ② 340 mL/m <sup>3</sup> ⑤ (für Kohlenwasserstoffgemische mit einem Gehalt an aromatischen Kohlenwasserstoffen von weniger als 1 %, an n-Hexan von weniger als 5 % und an Cyclo-/Isohexanen von 25 % oder mehr)

##### 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
<b>1-butoxypropan-2-ol</b> CAS No.: 5131-66-8 EC No.: 225-878-4	147 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>1-butoxypropan-2-ol</b> CAS No.: 5131-66-8 EC No.: 225-878-4	43 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
<b>1-butoxypropan-2-ol</b> CAS No.: 5131-66-8 EC No.: 225-878-4	52 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
<b>1-butoxypropan-2-ol</b> CAS No.: 5131-66-8 EC No.: 225-878-4	22 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
<b>1-butoxypropan-2-ol</b> CAS No.: 5131-66-8 EC No.: 225-878-4	12.5 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
<b>(R)-p-mentha-1,8-diene</b> CAS No.: 5989-27-5 EC No.: 227-813-5	33.3 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>(R)-p-mentha-1,8-diene</b> CAS No.: 5989-27-5 EC No.: 227-813-5	8.3 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
<b>(R)-p-mentha-1,8-diene</b> CAS No.: 5989-27-5 EC No.: 227-813-5	0.222 mg/kg	① DNEL worker ② Acute - dermal, local effects
<b>(R)-p-mentha-1,8-diene</b> CAS No.: 5989-27-5 EC No.: 227-813-5	0.111 mg/kg	① DNEL Consumer ② Acute - dermal, local effects

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Substance name	DNEL value	① DNEL type ② Exposure route
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	4.76 mg/kg	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	525 µg/L	① PNEC aquatic, freshwater
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	52.5 µg/L	① PNEC aquatic, marine water
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	10 mg/L	① PNEC sewage treatment plant
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	2.36 µg/L	① PNEC sediment, freshwater
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	236 µg/L	① PNEC sediment, marine water
1-butoxypropan-2-ol CAS No.: 5131-66-8 EC No.: 225-878-4	0.16 mg/kg	① PNEC soil
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	0.0054 mg/L	① PNEC aquatic, freshwater
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	0.00054 mg/L	① PNEC aquatic, marine water
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	1.8 mg/L	① PNEC sewage treatment plant
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	1.32 mg/kg	① PNEC sediment, freshwater
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	0.13 mg/kg	① PNEC sediment, marine water
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	0.262 mg/kg	① PNEC soil
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	3.33 mg/kg	① PNEC secondary poisoning

\*

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No data available

### 8.2.2. Personal protection equipment

#### Eye/face protection:

The use of penetration-proof goggles is recommended (ref. standard EN 16321).

#### Skin protection:

Hand protection:

The hands must be protected with category III work gloves (ref. standard EN 374). For the final choice of material for the work gloves, the following aspects must be included: Compatibility, degradation, breaking time and permeability. In the case of preparations, the work glove resistance to chemical agents

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must be tested before use, as it is unpredictable. Glove wear time is conditioned by exposure time and modes of use.

Skin protection:

Work clothing with long sleeves and category II accident protection shoes must be worn (see Regulation 2016/425 and standard EN ISO 20344). After taking off the protective clothing, one must wash with soap and water.

### Respiratory protection:

If the technical measures taken are not sufficient to reduce the worker's exposure to the threshold values taken into account, respiratory protection devices must be used. It is recommended to wear a mask with a type A filter, the class of which (1, 2 or 3) should be selected according to the highest concentration used. (see standard EN 14387). If the substance in question is odourless or its odour threshold exceeds the corresponding TLV-TWA, or in an emergency, a self-operated open-circuit compressed air breathing apparatus (ref. standard EN 137) or a breathing apparatus with an external air inlet (ref. standard EN138) must be worn. For the correct selection of the respiratory protective device, refer to standard EN 529.

### Other protection measures:

Considering that appropriate protective measures should always take precedence over personal protective clothing, ensure that the workplace is well ventilated by effective local exhaust ventilation. For the selection of personal protective equipment, the trusted chemical manufacturers may need to be consulted. The personal protective equipment must be CE marked to indicate its suitability for the applicable regulations.

Emergency stop showers with face-eye-rinsing are to be provided.

### 8.2.3. Environmental exposure controls

Emissions from manufacturing processes, including those from ventilation equipment, should be checked for compliance with environmental legislation. Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** Liquid

**Colour:** light yellow

**Odour:** characteristic

**flammability:** No data available

#### Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	<i>not applicable</i>	② insoluble in: Water
Melting point	<i>No data available</i>	
Freezing point	<i>No data available</i>	
Initial boiling point and boiling range	<i>No data available</i>	
Flash point	> 60 °C	
Evaporation rate	<i>No data available</i>	
Auto-ignition temperature	<i>No data available</i>	
Upper/lower flammability or explosive limits	<i>No data available</i>	
Vapour pressure	<i>No data available</i>	
Vapour density	<i>No data available</i>	
Density	0.85 kg/L	
Bulk density	<i>not applicable</i>	
Water solubility	practically insoluble	
Dynamic viscosity	<i>No data available</i>	
Kinematic viscosity	<i>No data available</i>	

### \* 9.2. Other information

Total solids (250°C/482°F): 56,50 %

VOC (Directive 2010/75/EU): 42,05 % - 357,43 g/L

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VOC (volatile carbon): 31,51 % - 267,82 g/L

### SECTION 10: Stability and reactivity

#### \* 10.1. Reactivity

No special reaction hazards with other substances under normal conditions of use.

#### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

#### \* 10.3. Possibility of hazardous reactions

Vapours can form explosive mixtures with air.

#### \* 10.4. Conditions to avoid

Avoid heating. Accumulation of electrostatic charges must be avoided. Remove all sources of ignition.

#### 10.5. Incompatible materials

No data available

#### \* 10.6. Hazardous decomposition products

Vapours potentially hazardous to health may be formed by thermal decomposition or in case of fire.

### SECTION 11: Toxicological information

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

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	CAS No.: 64742-47-8
EC No.: 926-141-6	

<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Rat)
---

<b>LD<sub>50</sub> dermal:</b> >5,000 mg/kg (Rabbit)
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<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >5 mg/L 4 h (Rat)
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<b>1-butoxypropan-2-ol</b>	CAS No.: 5131-66-8	EC No.: 225-878-4
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<b>ATE (inhalation, dust/mist):</b> >3.52 mg/L
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<b>LD<sub>50</sub> oral:</b> 2,124 - 2,700 mg/kg (Rat)
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<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rat) OECD402
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<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >3.5 mg/L 4 h
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<b>(R)-p-mentha-1,8-diene</b>	CAS No.: 5989-27-5	EC No.: 227-813-5
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<b>LD<sub>50</sub> oral:</b> >2,000 mg/kg (Rat)
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<b>LD<sub>50</sub> dermal:</b> >5,000 mg/kg (Rabbit)
--

#### Skin corrosion/irritation:

Causes skin irritation.

#### Serious eye damage/irritation:

Causes serious eye irritation.

#### Respiratory or skin sensitisation:

Sensitising to the skin

#### Germ cell mutagenicity:

Does not fall under the classification criteria of this hazard class

#### Carcinogenicity:

Does not fall under the classification criteria of this hazard class

#### Reproductive toxicity:

Does not fall under the classification criteria of this hazard class

#### STOT-single exposure:

Does not fall under the classification criteria of this hazard class

#### STOT-repeated exposure:

Does not fall under the classification criteria of this hazard class

#### Aspiration hazard:

Toxic if inhaled.

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### Additional information:

As no experimental toxicological data on the product are available, the possible health risks were evaluated on the properties of the substances contained according to the criteria of the reference standards for classification. For the evaluation of toxicological effects in case of product exposure, the concentrations of the individual pollutants possibly listed under para. 3 have to be considered.

### \* 11.2. Information on other hazards

#### Other information:

According to the available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with effects on human health to be assessed.

## SECTION 12: Ecological information

### \* 12.1. Toxicity

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> CAS No.: 64742-47-8 EC No.: 926-141-6
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LC <sub>50</sub> : 1,000 mg/L 4 d (fish, Oncorhynchus mykiss)
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EC <sub>50</sub> : 1,000 mg/L 2 d (crustaceans, Daphnia magna)
--

EC <sub>50</sub> : 1,000 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)
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<b>1-butoxypropan-2-ol</b> CAS No.: 5131-66-8 EC No.: 225-878-4
---

LC <sub>50</sub> : 560 - 1,000 mg/L 4 d (fish)
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LC <sub>50</sub> : >1,000 mg/L (crustaceans)
--

EC <sub>50</sub> : >1,000 mg/L 2 d (crustaceans, Daphnia magna) OECD 202
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ErC <sub>50</sub> : >1,000 mg/L 4 d (Algae/water plant, Pseudokirchnerella subcapitata)
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NOEC: 560 mg/L 4 d (Algae/water plant, Pseudokirchnerella subcapitata)
--

LC <sub>50</sub> : >1 mg/L (Daphnia magna)
--

EC <sub>50</sub> : >1,000 mg/L 2 d (crustaceans)
--

<b>(R)-p-mentha-1,8-diene</b> CAS No.: 5989-27-5 EC No.: 227-813-5
--

LC <sub>50</sub> : 35 mg/L 4 d (fish, Oncorhynchus mykiss)
--

EC <sub>50</sub> : 69.6 mg/L 2 d (crustaceans, Daphnia pulex)
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### 12.2. Persistence and degradability

<b>1-butoxypropan-2-ol</b> CAS No.: 5131-66-8 EC No.: 225-878-4
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Biodegradation: Yes, rapidly
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<b>(R)-p-mentha-1,8-diene</b> CAS No.: 5989-27-5 EC No.: 227-813-5
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Biodegradation: Yes, rapidly
------------------------------

### 12.3. Bioaccumulative potential

<b>1-butoxypropan-2-ol</b> CAS No.: 5131-66-8 EC No.: 225-878-4
---

Log K <sub>OW</sub> : 1.2
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Bioconcentration factor (BCF): < 100
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<b>(R)-p-mentha-1,8-diene</b> CAS No.: 5989-27-5 EC No.: 227-813-5
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Log K <sub>OW</sub> : 4.83
----------------------------

Bioconcentration factor (BCF): 1,022
--------------------------------------

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b> CAS No.: 64742-47-8 EC No.: 926-141-6
---

Results of PBT and vPvB assessment: —
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<b>1-butoxypropan-2-ol</b> CAS No.: 5131-66-8 EC No.: 225-878-4
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Results of PBT and vPvB assessment: —
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**(R)-p-mentha-1,8-diene** CAS No.: 5989-27-5 EC No.: 227-813-5

Results of PBT and vPvB assessment: —

Based on the available information, the product does not contain any PBT or vPvB substances in content percentages  $\geq 0.1\%$ .

### 12.6. Endocrine disrupting properties

According to the available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with environmental effects to be assessed.

### \* 12.7. Other adverse effects

The product must be considered environmentally hazardous and is toxic to aquatic life. In the long term, it can cause negative effects in the aquatic environment.  
water hazard class 3: highly hazardous to water

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

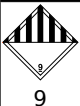
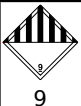
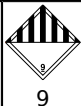



Reuse if possible. Product residues are to be considered as hazardous waste. The hazardousness of the waste partially containing this product must be evaluated on the basis of the legal provisions in force. Disposal must be entrusted to a company authorised for waste management, taking into account national and, where applicable, local regulations.  
The transport of the waste may be subject to ADR.

### Waste treatment options

#### Appropriate disposal / Package:

Contaminated packaging material must be sent for recycling or disposal in accordance with the country's waste management regulations.

## 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 3082	UN 3082	UN 3082	UN 3082
<b>14.2. UN proper shipping name</b>			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
<b>14.3. Transport hazard class(es)</b>			
 9	No data available	 9	 9
<b>14.4. Packing group</b>			
III		III	III
<b>14.5. Environmental hazards</b>			
	No data available	 MARINE POLLUTANT	
<b>14.6. Special precautions for user</b>			
<b>Special Provisions:</b> 274, 335, 375, 601 <b>Limited quantity (LQ):</b> 5L <b>Hazard identification number (Kemler No.):</b> 90 <b>Classification code:</b> -	No data available	<b>Limited quantity (LQ):</b> 5L <b>EmS-No.:</b> F-A, S-F <b>Remark:</b> This product is not subject to the provisions of the IMDG Code, subsection 2.10.2.7. when transported	<b>Special Provisions:</b> A97, A158, A197, A215 <b>Remark:</b> This product is not subject to IATA Dangerous Goods Regulations according to Special Provision A197 when transported

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>Remark:</b> This product is not subject to the provisions of ADR/RID according to special provision 375 if it is transported in individual or inner packagings $\leq$ 5kg/L.		in individual or inner packagings $\leq$ 5kg/L.	in individual or inner packagings $\leq$ 5kg/L. IATA Packing Instructions - Passenger: 964 IATA Maximum Quantity - Passenger: 450L IATA-Verpackungsanweisung - Cargo: 964 IATA Maximum Quantity - Cargo: 450L

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

Information not applicable.

## 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:

Seveso category: E2 Hazardous to the aquatic environment in Category Chronic 2

Restrictions on the product or substances according to Annex XVII Regulation (EC) 1907/2006:

Product 3-40

Substances contained: 75

Regulation (EU) 2019/1148 (marketing and use of explosives precursors): not applicable

Substances according to Candidate List (Art. 59 REACH): none

Substances subject to authorisation (Annex XIV REACH): none

Substances subject to export notification Regulation (EU) 649/2012: none

Substances subject to the Rotterdam Convention: none

Substances subject to the Stockholm Convention: none

Preventive medical check-ups: No precautionary examinations are required when working with this product. This is only on condition that the results of the risk assessment prove that there is only a moderate risk to the safety and health of workers and that the measures provided for by Directive 98/24/EC are sufficient to limit the risk.

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

Volatile organic compounds (VOC) content in percent by weight: 42.05 weight-%

#### 15.1.2. National regulations

No data available

### \* 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

## SECTION 16: Other information

### \* 16.1. Indication of changes

1.1.	Product identifier
2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
4.2.	Most important symptoms and effects, both acute and delayed
6.1.	Personal precautions, protective equipment and emergency procedures
7.2.	Conditions for safe storage, including any incompatibilities
8.1.	Control parameters
8.2.	Exposure controls
9.1.	Information on basic physical and chemical properties
9.2.	Other information

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## Techno Solv Eco 1I

10.1.	Reactivity
10.3.	Possibility of hazardous reactions
10.4.	Conditions to avoid
10.6.	Hazardous decomposition products
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
11.2.	Information on other hazards
12.1.	Toxicity
12.7.	Other adverse effects
14.2.	UN proper shipping name
14.6.	Special precautions for user
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
15.2.	Chemical Safety Assessment
16.1.	Indication of changes
16.2.	Abbreviations and acronyms

### \* 16.2. Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC <sub>50</sub>	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
KG	body weight
LC <sub>50</sub>	Lethal (fatal) Concentration 50%
LD <sub>50</sub>	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
TWA	Time Weighted Average
UN	United Nations
VOC	Volatile organic compounds

### 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
Aspiration hazard ( <i>Asp. Tox. 1</i> )	H304: May be fatal if swallowed and enters airways.	
Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )	H319: Causes serious eye irritation.	
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	

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Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation ( <i>Skin Sens. 1B</i> )	H317: May cause an allergic skin reaction.	
Hazardous to the aquatic environment ( <i>Aquatic Chronic 2</i> )	H411: Toxic to aquatic life with long lasting effects.	

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

### 16.6. Training advice

No data available

### 16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

\* Data changed compared with the previous version.