

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Label-Off**

Print date: 11.01.2017

Product code: 134

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Label-Off

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

Reserved for industrial and professional use.

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

Company name: ITW LLC & Co. KG  
Street: Mühlackerstrasse 149  
Place: D-75417 Mühlacker  
Telephone: ++49(0)7041-96340  
e-mail: info@itwcp.de  
Internet: www.itwcp.de  
Responsible Department: Produktsicherheit

Telefax: ++49(0)7041-963429

**1.4. Emergency telephone**

++49(0)7041-96340

**number:**

Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Aerosol: Aerosol 1

Skin corrosion/irritation: Skin Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes skin irritation.

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

Toxic to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

Hydrocarbons, C6, Isoalkane, D-Limonen

**Signal word:** Danger**Pictograms:****Hazard statements**

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H336 May cause drowsiness or dizziness.

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H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P251 Do not pierce or burn, even after use.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P302+P352 IF ON SKIN: Wash with plenty of water.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

| CAS No     | Chemical name  |              |                  | Quantity |
|------------|--|--------------|------------------|----------|
|            | EC No  | Index No     | REACH No         |          |
|            | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |              |                  |          |
| 64742-49-0 | Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha, <5% n-hexane                      |              |                  | 40-70 %  |
|            | 931-254-9  |              |                  |          |
|            | Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411   |              |                  |          |
| 5989-27-5  | (R)-p-mentha-1,8-diene, d-limonene   |              |                  | 10-30%   |
|            | 227-813-5  | 601-029-00-7 |                  |          |
|            | Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H226 H315 H317 H400 H410 |              |                  |          |
| 64742-48-9 | Hydrocarbons, C9-C11, n-Alkane, iso-Alkane   |              |                  | 10-30%   |
|            | 919-857-5  |              | 01-2119463258-33 |          |
|            | Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304   |              |                  |          |
| 124-38-9   | Carbondioxide  |              |                  | 2,5-10 % |
|            | 204-696-9  |              |                  |          |
|            | Compressed gas; H280   |              |                  |          |
| 64-17-5    | ethanol, ethyl alcohol   |              |                  | <1%      |
|            | 200-578-6  | 603-002-00-5 |                  |          |
|            | Flam. Liq. 2; H225   |              |                  |          |

Full text of H and EUH statements: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

No data available

##### After inhalation

Provide fresh air.

##### After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.

##### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

##### After ingestion

If swallowed, immediately drink: Water.

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

No data available

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

No data available

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO<sub>2</sub>). Foam. Extinguishing powder.**Unsuitable extinguishing media**

Water with tenside additive. Water.

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

Combustible. Vapours may form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

**5.3. Advice for firefighters**

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

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Explosion hazard.

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

Ventilate affected area.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

**Advice on protection against fire and explosion**

Keep away from sources of ignition. - No smoking.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition. - No smoking.

**Advice on storage compatibility**

Do not store together with: Material, rich in oxygen, oxidizing.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

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### Exposure limits (EH40)

| CAS No   | Substance      | ppm   | mg/m <sup>3</sup> | fibres/ml | Category      | Origin |
|----------|----------------|-------|-------------------|-----------|---------------|--------|
| 124-38-9 | Carbon dioxide | 5000  | 9150              |           | TWA (8 h)     | WEL    |
|          |                | 15000 | 27400             |           | STEL (15 min) | WEL    |
| 64-17-5  | Ethanol        | 1000  | 1920              |           | TWA (8 h)     | WEL    |
|          |                | -     | -                 |           | STEL (15 min) | WEL    |

### 8.2. Exposure controls



#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

#### Eye/face protection

Tightly sealed safety glasses.

#### Hand protection

DIN EN 374 Tested protective gloves are to be worn: Butyl rubber. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Protective clothing:

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

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

|                 |                |
|-----------------|----------------|
| Physical state: | Aerosol        |
| Colour:         | colourless     |
| Odour:          | characteristic |

#### Test method

#### Changes in the physical state

|  |                        |
|--|------------------------|
| Initial boiling point and boiling range: | 60 °C                  |
| Flash point:                             | < 0 °C                 |
| Lower explosion limits:                  | 1,2 vol. %             |
| Upper explosion limits:                  | 7 vol. %               |
| Ignition temperature:                    | 300 °C                 |
| Vapour pressure:                         | 227 hPa                |
| (at 20 °C)                               |                        |
| Vapour pressure:                         | 719 hPa                |
| (at 50 °C)                               |                        |
| Density:                                 | 0,71 g/cm <sup>3</sup> |

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

Keep away from heat. Ignition hazard.

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

| CAS No    | Chemical name                      |      |              |         |        |
|-----------|------------------------------------|------|--------------|---------|--------|
|           | Exposure route                     | Dose |              | Species | Source |
| 5989-27-5 | (R)-p-mentha-1,8-diene, d-limonene |      |              |         |        |
|           | oral                               | LD50 | > 2000 mg/kg | Rat     |        |
|           | dermal                             | LD50 | > 2000 mg/kg | Rabbit  | IUCLID |
| 64-17-5   | ethanol, ethyl alcohol             |      |              |         |        |
|           | oral                               | LD50 | 6200 mg/kg   | Rat     | IUCLID |
|           | inhalative (4 h) vapour            | LC50 | 95,6 mg/l    | Rat     | RTECS  |

#### Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

## SECTION 12: Ecological information

### 12.1. Toxicity

| CAS No    | Chemical name                      |              |              |           |                     |        |
|-----------|------------------------------------|--------------|--------------|-----------|---------------------|--------|
|           | Aquatic toxicity                   | Dose         |              | [h]   [d] | Species             | Source |
| 5989-27-5 | (R)-p-mentha-1,8-diene, d-limonene |              |              |           |                     |        |
|           | Acute fish toxicity                | LC50         | 0,7 mg/l     | 96 h      | Pimephales promelas |        |
|           | Acute crustacea toxicity           | EC50         | 0,42 mg/l    | 48 h      | Daphnia magna       |        |
| 64-17-5   | ethanol, ethyl alcohol             |              |              |           |                     |        |
|           | Acute crustacea toxicity           | EC50<br>mg/l | 9268 - 14221 | 48 h      | Daphnia magna       | IUCLID |

### 12.3. Bioaccumulative potential

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#### Partition coefficient n-octanol/water

| CAS No    | Chemical name                      | Log Pow |
|-----------|------------------------------------|---------|
| 5989-27-5 | (R)-p-mentha-1,8-diene, d-limonene | 4,23    |
| 64-17-5   | ethanol, ethyl alcohol             | -0,31   |

#### Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Dispose of waste according to applicable legislation.

##### Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances  
Classified as hazardous waste.

##### Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

##### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** UN1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 625  
Limited quantity: 1 L  
Transport category: 2  
Tunnel restriction code: D

#### Other applicable information (land transport)

E0

#### Inland waterways transport (ADN)

**14.1. UN number:** UN1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
Hazard label: 2.1

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Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L

**Other applicable information (inland waterways transport)**  
E0

#### Marine transport (IMDG)

**14.1. UN number:** UN1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2, see SP63

Special Provisions: 63, 190, 277, 327, 344, 959  
Limited quantity: See SP277  
EmS: F-D, S-U

**Other applicable information (marine transport)**  
E0

#### Air transport (ICAO)

**14.1. UN number:** UN1950  
**14.2. UN proper shipping name:** AEROSOLS, flammable  
**14.3. Transport hazard class(es):** 2.1  
Hazard label: 2.1



Special Provisions: A145 A167  
Limited quantity Passenger: 30 kg G  
IATA-packing instructions - Passenger: 203  
IATA-max. quantity - Passenger: 75 kg  
IATA-packing instructions - Cargo: 203  
IATA-max. quantity - Cargo: 150 kg

**Other applicable information (air transport)**  
E0  
: Y203

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



### SECTION 15: Regulatory information

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): 62,5 % (443,75 g/l)

**National regulatory information**

Water contaminating class (D): 2 - water contaminating

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

|      |   |
|------|---|
| H222 | Extremely flammable aerosol.                          |
| H225 | Highly flammable liquid and vapour.                   |
| H226 | 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.                               |
| H317 | May cause an allergic skin reaction.                  |
| H336 | May cause drowsiness or dizziness.                    |
| 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.      |

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*