

# Safety Data Sheet

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



**Trade name :** Methylated Spirits 3135  
Brennspiritus 3135

**Revision date :** 05.01.2022

**Print date :** 05.01.2022

**Version (Revision) :** 12.0.1 (12.0.0)

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

### 1.1 Product identifier

Methylated Spirits 3135  
Brennspiritus 3135

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

#### Relevant identified uses

##### Products Category [PC]

PC35 - Washing and cleaning products

#### Uses advised against

There are no information about relevant identified uses of the product according to the Regulation (EC) No. 1907/2006 (REACH-Regulation), which are advised against. For using the product observe the information in the Technical data sheet of the product.

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

#### Supplier

Brillux GmbH & Co KG  
www.brillux.de

**Street :** Weseler Straße 401

**Postal code/city :** D - 48163 Münster

**Telephone :** +49 (0)251-7188-0

**Telefax :** +49 (0)251-7188-280

#### Information contact :

Electronic mail address of the well-informed person for safety data sheets:sdb@brillux.de

### 1.4 Emergency telephone number

Outside the business hours (9 a.m. to 5 p.m.):  
(Giftinformationszentrum-Nord, Göttingen, consultation in german or english language)  
Telephone: +49 (0)551-19240.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.  
Flam. Liq. 2 ; H225 - Flammable liquids : Category 2 ; Highly flammable liquid and vapour.

### 2.2 Label elements

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

##### Hazard pictograms



Flame (GHS02) · Exclamation mark (GHS07)

##### Signal word

Danger

##### Hazard statements

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

##### Precautionary statements

# Safety Data Sheet

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



**Trade name :** Methylated Spirits 3135  
Brennspritus 3135

**Revision date :** 05.01.2022

**Print date :** 05.01.2022

**Version (Revision) :** 12.0.1 (12.0.0)

|                |  |
|----------------|--|
| P261           | Avoid breathing vapours.   |
| P501           | Dispose of contents/container to approved disposal company or local collection.  |
| P102           | Keep out of reach of children.   |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].                         |

### 2.3 Other hazards

#### Adverse environmental effects

The product does not contain any substances, which fulfil the criteria for PBT or vPvB in accordance with the Annex XIII of the Regulation (EC) No 1907/2006 (REACH-Regulation).

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description

Mixture based on components, which are called following, and other components.

#### Hazardous ingredients

ETHANOL ; REACH No. : 01-2119457610-43 ; EC No. : 200-578-6; CAS No. : 64-17-5

Weight fraction :  $\geq 50 - < 100$  %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319

BUTANONE ; REACH No. : 01-2119457290-43 ; EC No. : 201-159-0; CAS No. : 78-93-3

Weight fraction :  $\geq 0,5 - < 1,5$  %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

PROPAN-2-OL ; REACH No. : 01-2119457558-25 ; EC No. : 200-661-7; CAS No. : 67-63-0

Weight fraction :  $\geq 0,5 - < 1,5$  %

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

#### Additional information

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Immediately remove all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. In case of unconsciousness: lay on side - call a doctor. Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.

#### Following inhalation

When symptoms persists, take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. Call a doctor and tell him the exactly substance.

#### In case of skin contact

Take off immediately all contaminated clothes. Wash away with soap and water and rinse. Do NOT use solvents or thinners. If skin irritation continues, consult a doctor.

#### After eye contact

Remove contact lenses, keep eyelids open. Rinse open eye immediately with plenty of running water. Seek medical advice if complaint continues.

#### After ingestion

# Safety Data Sheet

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



**Trade name :** Methylated Spirits 3135  
Brennspritus 3135

**Revision date :** 05.01.2022

**Print date :** 05.01.2022

**Version (Revision) :** 12.0.1 (12.0.0)

Drink water in small draught. Keep at rest. Do not induce vomiting. When swallowed immediately consult and show packing or label to physician.

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

Potential symptoms: Headache, dizziness, giddiness, skin irritation and eye irritation are possible.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

In case of fire: Use alcohol resistant foam, CO<sub>2</sub>, powders or water spray for extinction. Fight larger fires with water spray or alcohol resistant foam.

##### Unsuitable extinguishing media

In case of fire: Do not use waterjet for extinction.

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

##### Hazardous combustion products

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

#### 5.3 Advice for firefighters

##### Special protective equipment for firefighters

At a fire caused by the product a breathing apparatus with an independent source of air is to have ready and to use if necessary for the firefighting.

#### 5.4 Additional information

Cool endangered containers with water in case of fire. Do not allow run-off from fire-fighting to enter drains or water courses.

### SECTION 6: Accidental release measures

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

Refer to protective measures listed in sections 7 and 8. Keep away from ignition sources on account of the organic solvent content and air room well. Do not inhale vapours. Avoid contact with eyes and skin.

#### 6.2 Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations. Holding polluted washing water back and disposing of duly.

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

##### For cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Ensure adequate ventilation. The areas concerned cleaning with a customary water based cleaning agent, not using organic solvents if possible.

#### 6.4 Reference to other sections

See Section 7 for information on safe handling.

You find information about the safety equipment of persons in the section 8, information about the refuse disposal in section 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

##### Protective measures

Ensure a good ventilation in room and working area. Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). Only use the

# Safety Data Sheet

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



**Trade name :** Methylated Spirits 3135  
Brennspirit 3135  
**Revision date :** 05.01.2022  
**Print date :** 05.01.2022

**Version (Revision) :** 12.0.1 (12.0.0)

material in places where open light, fire and other flammable sources can be kept away. For personal protection see Section 8. Avoid contact with skin and eyes. Read label before use.

### Measures to prevent fire

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Avoid concentrations which form ignitable or explosive vapour and air mixtures. Likewise, avoid any concentration of vapour above the MAC-value. Keep away from ignition sources - No smoking. Ground/bond container and receiving equipment. Use explosion-proof pipes, electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### Measures to prevent aerosol and dust generation

Do not breathe gas or spray.

### Advices on general occupational hygiene

While working do not eat, drink or smoke. Wash hands and face before breaks and after work and take a shower if necessary. Immediately remove all contaminated clothing.

## 7.2 Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Do not store the product in lounge room. Keep only in the original container. Keep out of the reach of children. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

### Hints on joint storage

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Store away from foodstuffs.

**Storage class (TRGS 510) :** 3

### Further information on storage conditions

Keep container tightly sealed. Store at 5°-35°C. Containers should be kept dry and sealed.

## 7.3 Specific end use(s)

For using the product observe the information in the Technical data sheet of the product.

### Industrial sector specific solutions

**GISCODE :** This product can not be encoded in accordance with GISBAU.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

ETHANOL ; CAS No. : 64-17-5

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 200 ppm / 380 mg/m<sup>3</sup>

Peak limitation : 4(II)

Remark : Y

Version : 27.10.2020

BUTANONE ; CAS No. : 78-93-3

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 200 ppm / 600 mg/m<sup>3</sup>

Peak limitation : 1(I)

Remark : H, Y

Version : 27.10.2020

PROPAN-2-OL ; CAS No. : 67-63-0

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 200 ppm / 500 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : Y

Version : 27.10.2020

# Safety Data Sheet

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



**Trade name :** Methylated Spirits 3135  
Brennspiritus 3135

**Revision date :** 05.01.2022

**Print date :** 05.01.2022

**Version (Revision) :** 12.0.1 (12.0.0)

### Remark

Taking into account the details mentioned in the TRGS 900 for the supervision of AGW.

### Biological limit values

BUTANONE ; CAS No. : 78-93-3

Limit value type (country of origin) : TRGS 903 ( D )

Parameter : 2-Butanone / Urine (U) / End of exposure or end of shift

Limit value : 2 mg/l

Version : 13.03.2020

PROPAN-2-OL ; CAS No. : 67-63-0

Limit value type (country of origin) : TRGS 903 ( D )

Parameter : Acetone / Whole blood (B) / End of exposure or end of shift

Limit value : 25 mg/l

Version : 13.03.2020

Limit value type (country of origin) : TRGS 903 ( D )

Parameter : Acetone / Urine (U) / End of exposure or end of shift

Limit value : 25 mg/l

Version : 13.03.2020

### DNEL-/PNEC-values

#### DNEL/DMEL

Limit value type : DNEL Consumer (local) ( ETHANOL ; CAS No. : 64-17-5 )

Exposure route : Dermal

Exposure frequency : Short-term

Limit value : 950 mg/kg

Safety factor : 1 D

Limit value type : DNEL Consumer (local) ( ETHANOL ; CAS No. : 64-17-5 )

Exposure route : Inhalation

Exposure frequency : Short-term

Limit value : 950 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic) ( ETHANOL ; CAS No. : 64-17-5 )

Exposure route : Oral

Exposure frequency : Long-term

Limit value : 87 mg/kg

Safety factor : 1 D

Limit value type : DNEL Consumer (systemic) ( ETHANOL ; CAS No. : 64-17-5 )

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 206 mg/kg

Safety factor : 1 D

Limit value type : DNEL Consumer (systemic) ( ETHANOL ; CAS No. : 64-17-5 )

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 114 mg/m<sup>3</sup>

Limit value type : DNEL worker (local) ( ETHANOL ; CAS No. : 64-17-5 )

Exposure route : Inhalation

Exposure frequency : Short-term

Limit value : 1900 mg/m<sup>3</sup>

Limit value type : DNEL worker (systemic) ( ETHANOL ; CAS No. : 64-17-5 )

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 343 mg/kg

Safety factor : 1 D

Limit value type : DNEL worker (systemic) ( ETHANOL ; CAS No. : 64-17-5 )

Exposure route : Inhalation

Exposure frequency : Long-term

# Safety Data Sheet

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



**Trade name :** Methylated Spirits 3135  
Brennspritus 3135

**Revision date :** 05.01.2022

**Print date :** 05.01.2022

**Version (Revision) :** 12.0.1 (12.0.0)

Limit value : 950 mg/m<sup>3</sup>  
 Limit value type : DNEL Consumer (systemic) ( BUTANONE ; CAS No. : 78-93-3 )  
 Exposure route : Oral  
 Exposure frequency : Long-term  
 Limit value : 31 mg/kg  
 Limit value type : DNEL Consumer (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
 Exposure route : Oral  
 Exposure frequency : Long-term  
 Limit value : 26 mg/kg  
 Safety factor : 1 D  
 Limit value type : DNEL Consumer (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
 Exposure route : Dermal  
 Exposure frequency : Long-term  
 Limit value : 319 mg/kg  
 Safety factor : 1 D  
 Limit value type : DNEL Consumer (systemic) ( BUTANONE ; CAS No. : 78-93-3 )  
 Exposure route : Dermal  
 Exposure frequency : Long-term  
 Limit value : 412 mg/kg  
 Limit value type : DNEL Consumer (systemic) ( BUTANONE ; CAS No. : 78-93-3 )  
 Exposure route : Inhalation  
 Exposure frequency : Long-term  
 Limit value : 106 mg/m<sup>3</sup>  
 Limit value type : DNEL Consumer (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
 Exposure route : Inhalation  
 Exposure frequency : Long-term  
 Limit value : 89 mg/m<sup>3</sup>  
 Limit value type : DNEL worker (local and systemic) ( BUTANONE ; CAS No. : 78-93-3 )  
 Exposure route : Dermal  
 Exposure frequency : Long-term  
 Limit value : 1161 mg/kg  
 Safety factor : 24 h  
 Limit value type : DNEL worker (local and systemic) ( BUTANONE ; CAS No. : 78-93-3 )  
 Exposure route : Inhalation  
 Exposure frequency : Long-term  
 Limit value : 600 mg/m<sup>3</sup>  
 Limit value type : DNEL worker (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
 Exposure route : Dermal  
 Exposure frequency : Long-term  
 Limit value : 888 mg/kg  
 Safety factor : 1 D  
 Limit value type : DNEL worker (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
 Exposure route : Inhalation  
 Exposure frequency : Long-term  
 Limit value : 500 mg/m<sup>3</sup>

### PNEC

Limit value type : PNEC (Aquatic, freshwater) ( ETHANOL ; CAS No. : 64-17-5 )  
 Exposure route : Water (Including sewage plant)  
 Limit value : 0,96 mg/l  
 Limit value type : PNEC (Aquatic, intermittent release) ( ETHANOL ; CAS No. : 64-17-5 )  
 Exposure route : Water (Including sewage plant)  
 Limit value : 2,75 mg/l  
 Limit value type : PNEC (Aquatic, marine water) ( ETHANOL ; CAS No. : 64-17-5 )  
 Exposure route : Water (Including sewage plant)  
 Limit value : 0,79 mg/l

# Safety Data Sheet

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



**Trade name :** Methylated Spirits 3135  
Brennspritus 3135

**Revision date :** 05.01.2022

**Print date :** 05.01.2022

**Version (Revision) :** 12.0.1 (12.0.0)

|                    |   |
|--------------------|---|
| Limit value type : | PNEC (Sediment, freshwater) ( ETHANOL ; CAS No. : 64-17-5 )       |
| Exposure route :   | Soil  |
| Limit value :      | 3,6 mg/kg   |
| Limit value type : | PNEC (Sediment, marine water) ( ETHANOL ; CAS No. : 64-17-5 )     |
| Exposure route :   | Soil  |
| Limit value :      | 2,9 mg/kg   |
| Safety factor :    | 1 D   |
| Limit value type : | PNEC soil ( ETHANOL ; CAS No. : 64-17-5 )                         |
| Exposure route :   | Soil  |
| Limit value :      | 0,63 mg/l   |
| Limit value type : | PNEC (Sewage treatment plant) ( ETHANOL ; CAS No. : 64-17-5 )     |
| Exposure route :   | Water (Including sewage plant)                                    |
| Limit value :      | 580 mg/l  |
| Limit value type : | PNEC (Aquatic, freshwater) ( BUTANONE ; CAS No. : 78-93-3 )       |
| Exposure route :   | Water (Including sewage plant)                                    |
| Limit value :      | 55,8 mg/l   |
| Limit value type : | PNEC (Aquatic, freshwater) ( PROPAN-2-OL ; CAS No. : 67-63-0 )    |
| Exposure route :   | Water (Including sewage plant)                                    |
| Limit value :      | 140,9 mg/l  |
| Limit value type : | PNEC (Aquatic, marine water) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  |
| Exposure route :   | Water (Including sewage plant)                                    |
| Limit value :      | 140,9 mg/l  |
| Limit value type : | PNEC (Aquatic, marine water) ( BUTANONE ; CAS No. : 78-93-3 )     |
| Exposure route :   | Water (Including sewage plant)                                    |
| Limit value :      | 55,8 mg/l   |
| Limit value type : | PNEC (Sediment, freshwater) ( BUTANONE ; CAS No. : 78-93-3 )      |
| Exposure route :   | Soil  |
| Limit value :      | 284,7 mg/kg   |
| Limit value type : | PNEC (Sediment, freshwater) ( PROPAN-2-OL ; CAS No. : 67-63-0 )   |
| Exposure route :   | Soil  |
| Limit value :      | 552 mg/kg   |
| Safety factor :    | 1 D   |
| Limit value type : | PNEC (Sediment, marine water) ( PROPAN-2-OL ; CAS No. : 67-63-0 ) |
| Exposure route :   | Soil  |
| Limit value :      | 552 mg/kg   |
| Safety factor :    | 1 D   |
| Limit value type : | PNEC (Sediment, marine water) ( BUTANONE ; CAS No. : 78-93-3 )    |
| Exposure route :   | Soil  |
| Limit value :      | 287,7 mg/kg   |
| Limit value type : | PNEC soil ( BUTANONE ; CAS No. : 78-93-3 )                        |
| Exposure route :   | Soil  |
| Limit value :      | 22,5 mg/kg  |
| Limit value type : | PNEC soil ( PROPAN-2-OL ; CAS No. : 67-63-0 )                     |
| Exposure route :   | Soil  |
| Limit value :      | 28 mg/kg  |
| Safety factor :    | 1 D   |
| Limit value type : | PNEC (Sewage treatment plant) ( PROPAN-2-OL ; CAS No. : 67-63-0 ) |
| Exposure route :   | Water (Including sewage plant)                                    |
| Limit value :      | 2251 mg/l   |
| Limit value type : | PNEC (Sewage treatment plant) ( BUTANONE ; CAS No. : 78-93-3 )    |
| Exposure route :   | Water (Including sewage plant)                                    |
| Limit value :      | 709 mg/l  |

## 8.2 Exposure controls

### Appropriate engineering controls

# Safety Data Sheet

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



**Trade name :** Methylated Spirits 3135  
Brennspiritus 3135

**Revision date :** 05.01.2022

**Print date :** 05.01.2022

**Version (Revision) :** 12.0.1 (12.0.0)

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn. Observe data available of section 7.

### Personal protection equipment

#### Eye/face protection

Use tightly fitting safety glasses.

#### Skin protection

##### Hand protection

For a short-term contact protective gloves made of nitrile rubber are suitable with a material thickness of 0.38 mm. For longer or repeated contact protective gloves made of butyl rubber are used with a material thickness of  $\geq 0,7$  mm. Penetration time  $\geq 480$  min. By longer or repeated contact the penetration times can be considerably shorter. The protective gloves should be replaced after the first wear out or a damage of the gloves. Gloves of cotton should be used under the gloves of polychloropren or nitrile rubber. After washing hands replace lost skin fat by fat containing skin creams.

##### Body protection

Using protective clothing.

#### Respiratory protection

Breathing protection equipment is not required in good ventilated places. Use suitable respiratory protective device in case of insufficient ventilation. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use the combination filter mask A2 - P3.

### General information

Avoid contact with eyes and skin. Immediately remove all contaminated clothing. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Ensure a good ventilation in room and working area. Do not breathe vapour.

### Environmental exposure controls

The product should not reach waters and the ground. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state :** Liquid.

**Colour :** conformable to product designation.

#### Odour

Like alcohol.

#### Safety characteristics

|  |              |         |                        |
|--|--------------|---------|------------------------|
| <b>Melting point/freezing point :</b>            | ( 1013 hPa ) |         | not determined         |
| <b>Initial boiling point and boiling range :</b> | ( 1013 hPa ) | approx. | 78 °C                  |
| <b>Flash point :</b>                             |              | approx. | 13 °C                  |
| <b>Auto-ignition temperature :</b>               |              |         | 425 °C                 |
| <b>Lower explosion limit :</b>                   |              |         | 3,5 Vol-%              |
| <b>Upper explosion limit :</b>                   |              |         | 15 Vol-%               |
| <b>Vapour pressure :</b>                         | ( 50 °C )    |         | 293 hPa                |
| <b>Vapour pressure:</b>                          | ( 20 °C )    |         | 59 hPa                 |
| <b>Density :</b>                                 | ( 20 °C )    | approx. | 0,79 g/cm <sup>3</sup> |
| <b>Water solubility :</b>                        | ( 20 °C )    |         | consolute miscible     |
| <b>VOC-value :</b>                               |              |         | 750 g/l                |

### 9.2 Other information

Other physical and chemical data have not been determined.



# Safety Data Sheet

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



Trade name : Methylated Spirits 3135  
Brennspritus 3135  
Revision date : 05.01.2022  
Print date : 05.01.2022

Version (Revision) : 12.0.1 (12.0.0)

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangers connected by a possible reactivity of the product are known to proper handling and storage.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

Vapours can form explosive mixtures with air.

### 10.4 Conditions to avoid

To avoid formation of ignitable vapour and air mixtures ensure good ventilation (inter alia extraction system). Keep away from frost, heat and direct sunlight.

Cleaning cloths saturated with solvent can ignite themselves. Therefore ensure safe disposal of waste.

### 10.5 Incompatible materials

No dangerous reaction known. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.6 Hazardous decomposition products

No dangerous decomposition product are known if stored and handled correctly. When exposed to high temperatures or in case of fire hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen, may produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Acute toxicity:

- Acute oral toxicity: No data available;
- Acute dermal toxicity: No data available;
- Acute inhalation toxicity: No data available.

#### Acute oral toxicity

Parameter : LD50 ( ETHANOL ; CAS No. : 64-17-5 )

Exposure route : Oral

Species : Rat

Effective dose : 10470 mg/kg

Parameter : LD50 ( ETHANOL ; CAS No. : 64-17-5 )

Exposure route : Oral

Species : Rabbit

Effective dose : 6300 mg/kg

Parameter : LD50 ( BUTANONE ; CAS No. : 78-93-3 )

Exposure route : Oral

Species : Rat

Effective dose : 3300 mg/kg

#### Acute dermal toxicity

Parameter : LD50 ( ETHANOL ; CAS No. : 64-17-5 )

Exposure route : Dermal

Species : Rabbit

Effective dose : > 2000 mg/kg

Parameter : LD50 ( BUTANONE ; CAS No. : 78-93-3 )

Exposure route : Dermal

Species : Rabbit

Effective dose : 5000 mg/kg

#### Acute inhalation toxicity

Parameter : LC50 ( ETHANOL ; CAS No. : 64-17-5 )

# Safety Data Sheet

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



Trade name : Methylated Spirits 3135  
Brennspiritus 3135  
Revision date : 05.01.2022  
Print date : 05.01.2022

Version (Revision) : 12.0.1 (12.0.0)

Exposure route : Inhalation  
Species : Mouse  
Effective dose : > 20 mg/l  
Parameter : LC50 ( BUTANONE ; CAS No. : 78-93-3 )  
Exposure route : Inhalation  
Species : Mouse  
Effective dose : 40 mg/l

## Corrosion

Irritation:

- Skin contact: Skin irritation.
- Eye contact: Causes serious eye irritation.

## Respiratory or skin sensitisation

A sensitizing effect by the product is not known.

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

The product is not classified as human germ cell mutagenic, carcinogenic or human reproductive toxic (CMR effects).

## STOT-single exposure

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation, kidneys and liver damages, as well as leading the impairment of the central nervous system.

Symptoms and signs include headache: dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

The liquid splashed in the eyes may cause irritation and reversible damage.

## STOT-repeated exposure

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

## Aspiration hazard

No risk expected.

## 11.4 Other adverse effects

### Other observations

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

## 11.5 Additional information

The product is classified in toxicological terms on the basis of the results of the calculation procedure outlined within the Regulation (EC) No 1272/2008 (CLP-Regulation), listed in sections 2 and 3.

At proper dealing and use as agreed the product does not cause any effects bad for health after our experiences and the information submitted to us.

## SECTION 12: Ecological information

### 12.1 Toxicity

Acute or chronic damages to water organisms by the product in the aquatic environment are not expected.

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter : EC50 ( ETHANOL ; CAS No. : 64-17-5 )  
Species : Leuciscus idus (golden orfe)  
Effective dose : 8140 mg/l

##### Acute (short-term) toxicity to crustacea

Parameter : EC50 ( ETHANOL ; CAS No. : 64-17-5 )  
Species : Daphnia magna (Big water flea)  
Effective dose : 10000 mg/l  
Exposure time : 48 h

##### Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : EC50 ( ETHANOL ; CAS No. : 64-17-5 )

# Safety Data Sheet

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



**Trade name :** Methylated Spirits 3135  
Brennspiritus 3135

**Revision date :** 05.01.2022

**Print date :** 05.01.2022

**Version (Revision) :** 12.0.1 (12.0.0)

**Species :** Pseudokirchneriella subcapitata

**Effective dose :** 6500 mg/l

**Exposure time :** 7 D

### 12.2 Persistence and degradability

These are not data available about the potential of the product concerning his persistency and degradability.

### 12.3 Bioaccumulative potential

These are not data available about the bio accumulation potential of the product.  
No information about the individual components is available either.

### 12.4 Mobility in soil

These are not datas available about the potential of the product concerning his mobility in the ground.  
A penetrating into soil, waters and sewage system should be prevented.

### 12.5 Results of PBT and vPvB assessment

This product does not contain any relevant substances which were classified as a PBT or vPvB-substance.

### 12.6 Other adverse effects

No information available.

### 12.7 Additional ecotoxicological information

Avoid exposing into ground, waterways and drainage.  
The classification of the product is based on summation of classified components according to the Regulation (EC) No 1272/2008 (CLP-Regulation). See details in sections 2 and 3.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

##### Waste code product

Disposal-definition No. (AVV-Code): 14 06 03\* other solvents and solvent mixtures.

##### Waste code packaging

Disposal-definition No. (AVV-Code):  
15 01 10 \* packings which contain dangerous substances or are polluted by dangerous substances.

##### Waste treatment options

##### Appropriate disposal / Product

Dispose of contents/container to approved disposal company or local collection according to the local regulations.  
Do not dispose together with household garbage. Do not empty into waters or drains.

##### Appropriate disposal / Package

Only empty packaging can be transfered to recycling. Uncleaned packaging must be disposed of in the same manner as the medium.

## SECTION 14: Transport information

### 14.1 UN number

UN 1170

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

ETHANOL, SOLUTION

#### Sea transport (IMDG)

ETHANOL, SOLUTION

#### Air transport (ICAO-TI / IATA-DGR)

ETHANOL, SOLUTION

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

# Safety Data Sheet

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



Trade name : Methylated Spirits 3135  
Brennspiritus 3135  
Revision date : 05.01.2022  
Print date : 05.01.2022

Version (Revision) : 12.0.1 (12.0.0)

Class(es) : 3  
Classification code : F1  
Hazard identification number (Kemler No.) : 33  
Tunnel restriction code : D/E  
Special provisions : LQ 1 | · E 2  
Hazard label(s) : 3  
Sea transport (IMDG)  
Class(es) : 3  
EmS-No. : F-E / S-D  
Hazard label(s) : 3  
Air transport (ICAO-TI / IATA-DGR)  
Class(es) : 3  
Hazard label(s) : 3

## 14.4 Packing group

II

## 14.5 Environmental hazards

Land transport (ADR/RID) : No  
Sea transport (IMDG) : No  
Air transport (ICAO-TI / IATA-DGR) : No

## 14.6 Special precautions for user

None

## 14.7 Maritime transport in bulk according to IMO instruments

Not relevant because the product in type of delivery does not transport in bulks according to the International Maritime Organization (IMO) instruments.

## SECTION 15: Regulatory information

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

#### EU legislation

##### Other regulations (EU)

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

The product is not subject to the EU guideline 2004/42/EC about the limitation of the emissions of volatile organic compounds due to the use of organic solvents in certain colours and varnishes.

#### National regulations

##### Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to AwSV

##### Additional information

The product is not classified as a solid substance according to the criteria of the Penetrometer test (ADR, part 2, section 2.3.4) and also fulfils not the criteria for solid substances according to the TRwS 779 number 2.1.1.

### 15.2 Chemical safety assessment

A chemical safety assessment was not carried out.

## SECTION 16: Other information

### 16.1 Indication of changes

None

### 16.2 Abbreviations and acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

# Safety Data Sheet

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



**Trade name :** Methylated Spirits 3135  
Brennspiritus 3135

**Revision date :** 05.01.2022

**Print date :** 05.01.2022

**Version (Revision) :** 12.0.1 (12.0.0)

ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany) AOX: Adsorbable Organic halogen compounds

ATEmix: Calculated acute toxicity estimate of mixture

BCF: Bio-Concentration Factor

CAS: Chemical Abstract Service

CLP: Classification, Labelling and Packaging

CMR: Substances classified as Carcinogenic, Mutagenic or toxic for Reproduction

CSR: Chemical Safety Report

DNEL: Derived No Effect Level

EC: European Commission

EC50: Effective Concentration 50%

ECHA: European Chemical Agency

EEC: European Economic Community

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

EWC: European Waste Catalogue

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IC50: Inhibition Concentration 50%

IMDG Code: International Maritime Dangerous Goods Code

IMO: International Maritime Organization

LC50: Lethal concentration 50%

LD50: Lethal Dose 50%

LOAEL: Lowest Observed Adverse Effect Level

LOEL: Lowest observable effect level

MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG)

MARPOL: Convention for the Prevention of Marine Pollution from Ships

MVZ: molar ratio

n.a.: Not applicable

n.d.: Not determined

n.r.: Not relevant

NLP: No Longer Polymers

NOAEC: No Observed Adverse Effect Concentration

NOAEL: No Observed Adverse Effect Level

NOEC: No Observed Effect Concentration

NOEL: No Observed Effect Level

OEL: Occupational Exposure Limit

PBT: Persistent, bioaccumulative, toxic

PNEC: Predicted No Effect Concentration

RCP: Reciprocal calculation procedure

REACH: Registration, Evaluation and Authorization of Chemical

RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)

STEL: Short-term Exposure Limit

SVHC: Substance of Very High Concern

TLV - TWA: Threshold Limit Value - Time Weighted Average

VOC: Volatile Organic Compounds

vPvB: Very persistent, very bioaccumulative.

### 16.3 Key literature references and sources for data

None

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

The evaluation of hazard information of the product was carried out in accordance to Annex I of the REGULATION (EC) No 1272/2008 (CLP Regulation).

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

# Safety Data Sheet

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



**Trade name :** Methylated Spirits 3135  
Brennspritus 3135  
**Revision date :** 05.01.2022  
**Print date :** 05.01.2022

**Version (Revision) :** 12.0.1 (12.0.0)

---

|      |                                     |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation.      |
| H336 | May cause drowsiness or dizziness.  |

### 16.6 Training advice

None

### 16.7 Additional information

None

---

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.

---