



## SAFETY DATA SHEET

KOMBIFÜLLER

Page: 1

Compilation date: 24.04.2012

Revision date: 15.12.14

Revision No: 1.4

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

#### 1.1. Product identifier

**Product name:** KOMBIFÜLLER

**Product code:** 440 025

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

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

**Company name:** ProSol Spraytechnik GmbH

Lindigstr. 8

63801 Kleinostheim

Deutschland

**Tel:** 06027-4610-0

**Fax:** 06027-4610-46

**Email:** info@prosol-spraytechnik.de

#### 1.4. Emergency telephone number

**Emergency tel:** 060274610-0

(office hours only)

### Section 2: Hazards identification

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

**Classification under CHIP:** F+: R12; Xi: R36; -: R66; -: R67

**Classification under CLP:** STOT SE 3: H336; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Flam. Aerosol 1: H222; -: H229; -: EUH066

**Most important adverse effects:** Extremely flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

#### 2.2. Label elements

##### Label elements under CLP:

**Hazard statements:** H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H412: Harmful to aquatic life with long lasting effects.

EUH066: Repeated exposure may cause skin dryness or cracking.

**Signal words:** Danger

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark

[cont...]

# SAFETY DATA SHEET

KOMBIFÜLLER

Page: 2



**Precautionary statements:** P102: Keep out of reach of children.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P211: Do not spray on an open flame or other ignition source.  
P251: Pressurized container: Do not pierce or burn, even after use.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312: Call a POISON CENTER or doctor if you feel unwell.  
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

## Label elements under CHIP:

**Hazard symbols:** Extremely flammable.  
Irritant.



**Risk phrases:** R12: Extremely flammable.  
R36: Irritating to eyes.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S2: Keep out of the reach of children.  
S23: Do not breathe.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S46: If swallowed, seek medical advice immediately and show this container or label.  
S51: Use only in well-ventilated areas.

**Precautionary phrases:** Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.  
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.

## 2.3. Other hazards

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.  
**PBT:** This product is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

[cont...]

# SAFETY DATA SHEET

KOMBIFÜLLER

Page: 3

## 3.2. Mixtures

### Hazardous ingredients:

#### ACETONE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-662-2	67-64-1	F: R11; Xi: R36; -: R66; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	35-60%

#### N-BUTYL ACETATE

204-658-1	123-86-4	-: R10; -: R66; -: R67 Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	10-20%
-----------	----------	--	--	--------

#### PROPANE

200-827-9	74-98-6	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-20%
-----------	---------	---	-------------------------------------	--------

#### BUTANE

203-448-7	106-97-8	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-20%
-----------	----------	---	-------------------------------------	--------

#### 2-METHOXY-1-METHYLETHYL ACETATE

203-603-9	108-65-6	-: R10 Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226	1-5%
-----------	----------	--	--------------------	------

#### TRIZINC BIS(ORTHOPHOSPHATE)

231-944-3	7779-90-0	N: R50/53	Aquatic Chronic 1: H410; Aquatic Acute 1: H400	1-5%
-----------	-----------	-----------	--	------

#### KEROSINE - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.

265-198-5	64742-94-5	Xn: R65; N: R51/53	Asp. Tox. 1: H304	1-5%
-----------	------------	--------------------	-------------------	------

#### ZINC OXIDE

-	1314-13-2	N: R50/53	Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<1%
---	-----------	-----------	--	-----

### Non-hazardous ingredients:

#### PROPAN-2-OL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-661-7	67-63-0	F: R11; Xi: R36; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	<1%

## Section 4: First aid measures

[cont...]

# SAFETY DATA SHEET

KOMBIFÜLLER

Page: 4

## 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Consult a doctor.

**Inhalation:** Remove victim from exposure to fresh air. Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

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

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Use water spray to cool containers. Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Water fog.

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

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Eliminate all sources of ignition.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks.

### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden.

[cont...]

# SAFETY DATA SHEET

KOMBIFÜLLER

Page: 5

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

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Suitable packaging:** Must only be kept in original packaging.

## 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**ACETONE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1210 mg/m <sup>3</sup>	3620 mg/m <sup>3</sup>	-	-

**N-BUTYL ACETATE**

UK	724 mg/m <sup>3</sup>	966 mg/m <sup>3</sup>	-	-
----	-----------------------	-----------------------	---	---

**PROPANE**

UK	1800 mg/m <sup>3</sup>	7200 mg/m <sup>3</sup>	-	-
----	------------------------	------------------------	---	---

**BUTANE**

UK	1450 mg/m <sup>3</sup>	1810 mg/m <sup>3</sup>	-	-
----	------------------------	------------------------	---	---

**2-METHOXY-1-METHYLETHYL ACETATE**

UK	274 mg/m <sup>3</sup>	548 mg/m <sup>3</sup>	-	-
----	-----------------------	-----------------------	---	---

**ZINC OXIDE**

UK	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	-	-
----	---------------------	----------------------	---	---

### 8.1. DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** The floor of the storage room must be impermeable to prevent the escape of liquids.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

**Eye protection:** Tightly fitting safety goggles.

**Skin protection:** Impermeable protective clothing.

[cont...]

# SAFETY DATA SHEET

KOMBIFÜLLER

Page: 6

## Section 9: Physical and chemical properties

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

**State:** Aerosol

**Colour:** Beige

**Odour:** Characteristic odour

**Evaporation rate:** Fast

**Solubility in water:** Not miscible

**Also soluble in:** Most organic solvents.

**Flammability limits %:** lower: 1,5

**upper:** 9,5

**Flash point°C:** -20

**Autoflammability°C:** >490

**Vapour pressure:** 3-4 bar

**Relative density:** 0,79 g/ml

**VOC g/l:** max. 840

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

[cont...]

# SAFETY DATA SHEET

KOMBIFÜLLER

Page: 7

## ACETONE

IVN	RAT	LD50	5500	mg/kg
ORL	MUS	LD50	3000	mg/kg
ORL	RAT	LD50	5800	mg/kg

## N-BUTYL ACETATE

ORL	MUS	LD50	6	gm/kg
ORL	RAT	LD50	10768	mg/kg

## 2-METHOXY-1-METHYLETHYL ACETATE

IPR	MUS	LD50	750	mg/kg
ORL	RAT	LD50	8532	mg/kg

## KEROSINE - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.

ORL	RAT	LDLO	5	ml/kg
-----	-----	------	---	-------

## ZINC OXIDE

IPR	RAT	LD50	240	mg/kg
ORL	MUS	LD50	7950	mg/kg

**Toxicity values:** No data available.

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

### Section 12: Ecological information

#### 12.1. Toxicity

**Ecotoxicity values:** No data available.

#### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

#### 12.4. Mobility in soil

**Mobility:** No data available.

#### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT substance.

[cont...]

# SAFETY DATA SHEET

KOMBIFÜLLER

Page: 8

## 12.6. Other adverse effects

**Other adverse effects:** No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** According local law.

**Recovery operations:** No further relevant informations available.

**Waste code number:** 160504

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1950

### 14.2. UN proper shipping name

**Shipping name:** AEROSOLS

### 14.3. Transport hazard class(es)

**Transport class:** 2 (5F)

### 14.4. Packing group

**Packing group:** nicht anwendbar

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Tunnel code:** D

**Transport category:** 2

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

## Section 16: Other information

### Other information

**Other information:** Add-On to point 14

transport of limited quantities according to 3.4 ADR LQ2 is possible

**Phrases used in s.2 and 3:** EUH066: Repeated exposure may cause skin dryness or cracking.

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

[cont...]



## SAFETY DATA SHEET

KOMBIFÜLLER

Page: 9

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H229: Pressurised container: May burst if heated

H304: May be fatal if swallowed and enters airways.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

R10: Flammable.

R11: Highly flammable.

R12: Extremely flammable.

R36: Irritating to eyes.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.