

# Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 09.10.2025

Version number 10 (replaces version 9)

Revision: 09.10.2025

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

### 1.1 Product identifier

Trade name: **Multi Purpose Foam Cleaner 1 ( mit D-Limonene)**

Article number: 87615

UFI: 05C2-D0U9-800Y-EGY3

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

No further relevant information available.

Application of the substance / the mixture

Surface cleaning

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

Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH  
Lechstrasse 28  
D 90451 Nürnberg

Tel. +49(0)911-642960  
Fax. +49(0)911-644456  
e-mail info@akemi.de

Further information obtainable from:

Laboratory

### 1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH  
Tel. +49(0)911-64296-59  
Reachable during the following office hours:  
Monday – Thursday from 07:30 a.m. to 16:30 p.m.  
Friday from 07:30 a.m. to 13:30 p.m.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF exposed or concerned: Get medical advice/attention.

Storage: Store in a well-ventilated place. Keep cool.  
Store in a well-ventilated place. Keep container tightly closed.  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02 GHS07

Signal word

Danger

Hazard-determining components of labelling:

(R)-p-mentha-1,8-diene

Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.

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<ul style="list-style-type: none"> <li>· <u>Precautionary statements</u></li> <li>· <b>2.3 Other hazards</b></li> <li>· <u>Results of PBT and vPvB assessment</u></li> <li>· <u>PBT:</u></li> <li>· <u>vPvB:</u></li> <li>· <u>Determination of endocrine-disrupting properties</u></li> </ul>	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P103 Read carefully and follow all instructions.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P260 Do not breathe spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves / eye protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.</p> <p>P501 Dispose of contents/container in accordance with local/regional/national/international regulations.</p>	<p>The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.</p>
	<p>Not applicable.</p> <p>Not applicable.</p>	
	<p>For information on endocrine disrupting properties see section 11.</p>	

### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

· Description: Mixture: consisting of the following components.

#### · Dangerous components:

	allergenic fragrances Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1, H317	1-5%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25-xxxx	propan-2-ol Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	<10%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane, pure Flam. Gas 1A, H220 Press. Gas (Comp.), H280	1-5%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol Acute Tox. 3, H331 Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/kg LC50/4 h inhalative: 3 mg/l	1-5%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1A, H220 Press. Gas (Comp.), H280	1-5%

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CAS: 110-91-8 EINECS: 203-815-1 Index number: 613-028-00-9 Reg.nr.: 01-2119496057-30	morpholine Flam. Liq. 3, H226 Acute Tox. 3, H311; Acute Tox. 3, H331 Repr. 2, H361fd Skin Corr. 1B, H314 Acute Tox. 4, H302	<1%
CAS: 1471311-93-9 Reg.nr.: 01-2119980932-27	Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine Eye Dam. 1, H318 Skin Irrit. 2, H315; Skin Sens. 1B, H317	<1%

## · Regulation (EC) No 648/2004 on detergents / Labelling for contents

aliphatic hydrocarbons	≥5 - <15%
perfumes ((R)-p-mentha-1,8-diene)	<5%

 · Additional information: For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

 · **4.1 Description of first aid measures**

- After inhalation: Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: Do not induce vomiting; call for medical help immediately.

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

 Headache  
 Dizziness  
 Dizziness

 · **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 agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

 · For safety reasons unsuitable extinguishing agents:

Water with full jet

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

 In case of fire, the following can be released:  
 Carbon monoxide (CO)  
 Formation of toxic gases is possible during heating or in case of fire.

 · **5.3 Advice for firefighters**

- Protective equipment: Mount respiratory protective device.

**SECTION 6: Accidental release measures**

 · **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

 · **6.2 Environmental precautions:**

Do not allow to penetrate the ground/soil.

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· **6.3 Methods and material for containment and cleaning up:**

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.

· **6.4 Reference to other sections**

Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.

· **Information about fire - and explosion protection:**

Fumes can combine with air to form an explosive mixture.  
Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.  
Observe official regulations on storing packagings with pressurised containers.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

· **Further information about storage conditions:**

Protect from frost.  
Keep container tightly sealed.  
Do not seal receptacle gas tight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

· **Storage class:**

2 B

· **7.3 Specific end use(s)**

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**111-76-2 2-butoxyethanol**

IOELV	Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 98 mg/m <sup>3</sup> , 20 ppm Skin
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**110-91-8 morpholine**

IOELV	Short-term value: 72 mg/m <sup>3</sup> , 20 ppm Long-term value: 36 mg/m <sup>3</sup> , 10 ppm
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## · DNELs

**67-63-0 propan-2-ol**

Oral	DNEL (Kurzzeit-akut)	51 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	26 mg/kg bw/day (BEV)
Dermal	DNEL ( Langzeit-wiederholt)	888 mg/kg bw/day (ARB)
		319 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	1,000 mg/m <sup>3</sup> Air (ARB)
		178 mg/m <sup>3</sup> Air (BEV)
	DNEL (Langzeit-wiederholt)	500 mg/m <sup>3</sup> Air (ARB)
		89 mg/m <sup>3</sup> Air (BEV)

**111-76-2 2-butoxyethanol**

Oral	DNEL (Kurzzeit-akut)	26.7 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	6.3 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	89 mg/kg bw/day (ARB)
		26.7 mg/kg bw/day (BEV)
Inhalative	DNEL ( Langzeit-wiederholt)	10.3 mg/kg bw/day (ARB)
		38 mg/kg bw/day (BEV)
	DNEL (Kurzzeit-akut)	1,091 mg/m <sup>3</sup> Air (ARB)
		147-426 mg/m <sup>3</sup> Air (BEV)
	DNEL (Langzeit-wiederholt)	98 mg/m <sup>3</sup> Air (ARB)
		59 mg/m <sup>3</sup> Air (BEV)

**1471311-93-9 Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine**

Oral	DNEL (Langzeit-wiederholt)	5 mg/kg bw/day (BEV)
Dermal	DNEL ( Langzeit-wiederholt)	10 mg/kg bw/day (ARB)
		5 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	35.26 mg/m <sup>3</sup> Air (ARB)
		8.7 mg/m <sup>3</sup> Air (BEV)

## · PNECs

**67-63-0 propan-2-ol**

PNEC (wässrig)	2,251 mg/l (KA)
	140.9 mg/l (MW)
	140.9 mg/l (SW)
	140.9 mg/l (WAS)
PNEC (fest)	28 mg/kg Trockengew (BO)
	552 mg/kg Trockengew (MWS)
	552 mg/kg Trockengew (SWS)

**111-76-2 2-butoxyethanol**

PNEC (wässrig)	463 mg/l (KA)
	0.88 mg/l (MW)
	8.8 mg/l (SW)
	9.1 mg/l (WAS)
PNEC (fest)	2.33 mg/kg Trockengew (BO)
	3.46 mg/kg Trockengew (MWS)
	34.6 mg/kg Trockengew (SWS)

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**1471311-93-9 Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine**

PNEC (wässrig)	100 mg/l (KA)
	0.01 mg/l (MW)
	0.1 mg/l (SW)
	1 mg/l (WAS)
PNEC (fest)	0.909 mg/kg Trockengew (BO)
	0.485 mg/kg Trockengew (MWS)
	4.85 mg/kg Trockengew (SWS)

· Additional information: The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· Appropriate engineering controls No further data; see section 7.

· Individual protection measures, such as personal protective equipment

· General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.  
Use skin protection cream for skin protection.  
Clean skin thoroughly immediately after handling the product.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.

· Respiratory protection:

Do not inhale gases / fumes / aerosols.

Short term filter device:

Filter AX

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

· Hand protection

Preventive skin protection by use of skin-protecting agents is recommended.  
After use of gloves apply skin-cleaning agents and skin cosmetics.



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

The 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 can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

Value for the permeation: Level  $\leq$  6

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact gloves made of the following materials are suitable:

Fluorocarbon rubber (Viton)

Vitoject (KCL, Art\_No. 890)

Butyl rubber, BR

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· As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR  
Camatril (KCL, 730, 731, 732, 733)  
Butoject (KCL, Art\_No. 897, 898)  
Butyl rubber, BR

· Not suitable are gloves made of the following materials:

Leather gloves  
Strong material gloves

· Eye/face protection



Tightly sealed goggles

· Body protection:

Use protective suit.

### SECTION 9: Physical and chemical properties

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

##### General Information

· <u>Colour:</u>	According to product specification
· <u>Odour:</u>	Specific type
· <u>Odour threshold:</u>	Not determined.
· <u>Melting point/freezing point:</u>	Undetermined.
· <u>Boiling point or initial boiling point and boiling range</u>	-44.5 °C
· <u>Flammability</u>	Not applicable.
· <u>Lower and upper explosion limit</u>	
· <u>Lower:</u>	0.7 Vol %
· <u>Upper:</u>	12 Vol %
· <u>Flash point:</u>	-97 °C
· <u>Auto-ignition temperature:</u>	365 °C
· <u>Decomposition temperature:</u>	Not determined.
· <u>pH at 20 °C</u>	10
· <u>Viscosity:</u>	
· <u>Kinematic viscosity</u>	Not determined.
· <u>Dynamic:</u>	Not determined.
· <u>Solubility</u>	
· <u>water:</u>	Not miscible or difficult to mix.
· <u>Partition coefficient n-octanol/water (log value)</u>	Not determined.
· <u>Vapour pressure at 20 °C:</u>	4,000 hPa
· <u>Vapour pressure at 50 °C:</u>	7,600 hPa
· <u>Density and/or relative density</u>	
· <u>Density at 20 °C:</u>	0.91 g/cm <sup>3</sup>
· <u>Relative density</u>	Not determined.
· <u>Vapour density</u>	Not determined.

#### 9.2 Other information

· <u>Appearance:</u>	
· <u>Form:</u>	Aerosol
· <u>Important information on protection of health and environment, and on safety.</u>	
· <u>Ignition temperature:</u>	Product is not selfigniting.
· <u>Explosive properties:</u>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <u>Solvent content:</u>	
· <u>Organic solvents:</u>	22.1 %
· <u>Water:</u>	76.4 %

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· Solids content:	0.1 %
· <u>Change in condition</u>	
· <u>Evaporation rate</u>	Not applicable.
· <u>Information with regard to physical hazard classes</u>	
· <u>Explosives</u>	Void
· <u>Flammable gases</u>	Void
· <u>Aerosols</u>	Extremely flammable aerosol. Pressurised container: May burst if heated.
· <u>Oxidising gases</u>	Void
· <u>Gases under pressure</u>	Void
· <u>Flammable liquids</u>	Void
· <u>Flammable solids</u>	Void
· <u>Self-reactive substances and mixtures</u>	Void
· <u>Pyrophoric liquids</u>	Void
· <u>Pyrophoric solids</u>	Void
· <u>Self-heating substances and mixtures</u>	Void
· <u>Substances and mixtures, which emit flammable gases in contact with water</u>	Void
· <u>Oxidising liquids</u>	Void
· <u>Oxidising solids</u>	Void
· <u>Organic peroxides</u>	Void
· <u>Corrosive to metals</u>	Void
· <u>Desensitised explosives</u>	Void

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

Oral	ATE-Wert	36,000 mg/kg (calc.)
Dermal	ATE mix	90,000 mg/kg (rabbit)
Inhalative	LC50/4h	84.7 mg/m <sup>3</sup> (calc.)

**67-63-0 propan-2-ol**

Oral	LD50	>2,000 mg/kg (rabbit) 5,840 mg/kg (rat) (OECD 401)
Dermal	NOAEL-Werte	400 mg/kg (rat)
	LD50	13,900 mg/kg (rabbit) (OECD 402) 16,400 mg/kg (rabbit) (OECD402)

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Inhalative	LC50/8h	47.5 ppm (rat)
	LC50/4 h	>25 mg/l (rat)
	LC50	25,000 mg/m <sup>3</sup> (rat)
	LC50/48h	>100 mg/l (Leuciscus idus)
<b>106-97-8 butane, pure</b>		
Inhalative	LC50/4 h	658 mg/l (rat)
<b>111-76-2 2-butoxyethanol</b>		
Oral	LD50	1,200 mg/kg (ATE) >2,000 mg/kg (guinea pig) 435 mg/kg (rabbit) >2,000 mg/kg (rat)
	ATE-Wert	1,200 mg/kg (calc.)
Dermal	LD50	mg/kg (guinea pig)
Inhalative	LC50/4 h	3 mg/l (ATE) >12 mg/l (rat)
<b>74-98-6 propane</b>		
Inhalative	LC50/4 h	>20 mg/l (rat)
<b>5989-27-5 (R)-p-mentha-1,8-diene</b>		
Oral	LD50	4,400 mg/kg (rat) (OECD 423)
Dermal	LD50	≥2,000 mg/kg (rabbit)
<b>110-91-8 morpholine</b>		
Oral	LD50	500 mg/kg (ATE)
Dermal	LD50	300 mg/kg (ATE)
Inhalative	LC50/4 h	3 mg/l (ATE)
<b>1471311-93-9 Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine</b>		
Oral	LD50	>2,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)

· Primary irritant effect:· Skin corrosion/irritation

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

· Serious eye damage/irritation

Causes serious eye irritation.

· Respiratory or skin sensitisation

May cause an allergic skin reaction.

· Germ cell mutagenicity

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

· Carcinogenicity

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

· Reproductive toxicity

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

· STOT-single exposure

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

· STOT-repeated exposure

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

· Aspiration hazard

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

· **11.2 Information on other hazards**· Endocrine disrupting properties

None of the ingredients is listed.

**SECTION 12: Ecological information**· **12.1 Toxicity**· Aquatic toxicity:**67-63-0 propan-2-ol**

EC50/24h | 9,714 mg/l (daphnia magna)

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EC50	>1,000 mg/l (BES)
LC50/24h	9,714 mg/l (daphnia magna)
EC50/15min	22,000 mg/l (Photobac. phosphoreum)
IC50/72h	>1,000 mg/l (Desmodesmus subspicatus)
EC10/18h	5,175 mg/l (pseudomonas putida) (DIN 38412)
EC50/48h	9,714 mg/l (daphnia magna) (OECD 202)
EC50/72h	>1,000 mg/l (algae)
	>100 mg/l (Scenedesmus subspicatus)
LC50/96h	6,550 mg/l (piscis)
	9,640 mg/l (Pimephales promelas) (OECD 203)

**111-76-2 2-butoxyethanol**

EC50/24h	1,815 mg/l (daphnia magna)
LC50	297 mg/l (daphnia magna)
EC50/48h	1,550 mg/l (daphnia magna)
NOEC	286 mg/l (algae)
NOEC/21d	>100 mg/l (Brachydanio rerio)
	100 mg/l (daphnia magna)
EC50/72h	1,840 mg/l (Desmodesmus subspicatus)
LC50/96h	1,490 mg/l (Iepomis macrochirus)
	1,474 mg/l (Oncorhynchus mykiss)

**5989-27-5 (R)-p-mentha-1,8-diene**

ErC50/72h	150 mg/l (Desmodesmus subspicatus)
EC50/48h	0.31-0.51 mg/l (daphnia magna)
LC50/96h	0.72 mg/l (Pimephales promelas)
LC50/72h	0.21-0.32 mg/l (Pseudokirchneriella subcapitata)

**1471311-93-9 Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine**

EC10/16h	>1,000 mg/l (pseudomonas putida)
EC10	>1 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC50/48h	>100 mg/l (daphnia magna) (OECD 202)
EC50/72h	>100 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
LC50/96h	>100 mg/l (Leuciscus idus) (DIN 38412)

· **12.2 Persistence and degradability**

No further relevant information available.

· **12.3 Bioaccumulative potential**

No further relevant information available.

· **12.4 Mobility in soil**

No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· PBT: Not applicable.

· vPvB: Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· Remark: Harmful to fish

· **Additional ecological information:**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

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## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

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Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

**SECTION 13: Disposal considerations****· 13.1 Waste treatment methods**· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:· Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

**SECTION 14: Transport information****· 14.1 UN number or ID number**· ADR, IMDG, IATA

UN1950

**· 14.2 UN proper shipping name**· ADR

1950 AEROSOLS

· IMDG

AEROSOLS

· IATA

AEROSOLS, flammable

**· 14.3 Transport hazard class(es)**· ADR· Class

2 5F Gases.

· Label

2.1

· IMDG, IATA· Class

2.1 Gases.

· Label

2.1

**· 14.4 Packing group**· ADR, IMDG, IATA

Void

**· 14.5 Environmental hazards:**· Marine pollutant:

No

**· 14.6 Special precautions for user**· Hazard identification number (Kemler code):

-

· EMS Number:

F-D,S-U

· Stowage Code

SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

· Segregation Code

SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.

For AEROSOLS with a capacity above 1 litre:

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·	Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <u>Transport/Additional information:</u>	
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

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### Trade name: Multi Purpose Foam Cleaner 1 ( mit D-Limonene)

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- National regulations:
- Information about limitation of use: Employment restrictions concerning pregnant and lactating women must be observed.  
Employment restrictions concerning juveniles must be observed.
- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

#### · Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· VOC EU 209.3 g/l

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing SDS: Laboratory
- Date of previous version: 08.11.2024
- Version number of previous version: 9
- Abbreviations and acronyms:
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ICAO: International Civil Aviation Organisation
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - DNEL: Derived No-Effect Level (REACH)
  - PNEC: Predicted No-Effect Concentration (REACH)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - SVHC: Substances of Very High Concern
  - vPvB: very Persistent and very Bioaccumulative
  - ATE: Acute toxicity estimate values
  - Flam. Gas 1A: Flammable gases – Category 1A
  - Aerosol 1: Aerosols – Category 1
  - Press. Gas (Comp.): Gases under pressure – Compressed gas
  - Flam. Liq. 2: Flammable liquids – Category 2
  - Flam. Liq. 3: Flammable liquids – Category 3
  - Acute Tox. 4: Acute toxicity – Category 4
  - Acute Tox. 3: Acute toxicity – Category 3
  - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - Skin Sens. 1: Skin sensitisation – Category 1
  - Skin Sens. 1B: Skin sensitisation – Category 1B
  - Repr. 2: Reproductive toxicity – Category 2
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  - Asp. Tox. 1: Aspiration hazard – Category 1
  - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
  - Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

EU