

# Safety Data Sheet

## Multicleaner

Replaces date: 10/07/2025

Revision date: 23/04/2026  
Version: 3.0.0

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

#### 1.1. Product identifier

Trade name: Multicleaner

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

Recommended uses: Cleaning agent  
Consumer use

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

##### Supplier

Company: micare ApS  
Address: Søndergade 17 A  
Zip code: 8620  
City: Kjellerup  
Country: DENMARK  
Email: hello@micare.dk  
Phone: 42520072  
Homepage: www.micare.dk

#### 1.4. Emergency Telephone Number

+45 42 52 00 72 (micare ApS)

### SECTION 2: Hazards identification

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

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substances and mixtures.

#### 2.2. Label elements

The product shall not be classified as hazardous according to the classification and labeling rules for substances and mixtures.

#### 2.3. Other hazards

The product does not contain any PBT or vPvB substances.  
Endocrine disrupting properties: None known.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
ethanol	64-17-5 200-578-6 01-2119457610-43	5 - 15 %		Flam. Liq. 2;H225 Eye Irrit. 2;H319 C ≥ 50%: Eye Irrit. 2;H319
propan-2-ol	67-63-0 200-661-7 01-2119457558-25	1 - 5 %		Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336

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ammonia ... %	1336-21-6 215-647-6 01-2119488876-14	< 0.25 %	Skin Corr. 1B;H314 Eye Dam. 1;H318 STOT SE 3;H335 Aquatic Acute 1;H400 Aquatic Chronic 2;H411  C ≥ 5%: STOT SE 3; H335 M (acute): 1
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Please see section 16 for the full text of H- / EUH-phrases.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation:</b>	Seek fresh air. Seek medical advice in case of persistent discomfort.
<b>Ingestion:</b>	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
<b>Skin contact:</b>	Wash the skin with water. Seek medical advice in case of persistent discomfort.
<b>Eye contact:</b>	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
<b>General:</b>	When obtaining medical advice, show the safety data sheet or label.

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

Long-term exposure: May cause slight irritation to the skin and eyes.

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

Treat symptoms. No special immediate treatment required.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media:</b>	Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.
<b>Unsuitable extinguishing media:</b>	Do not use water stream, as it may spread the fire.

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

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

#### 5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

### SECTION 6: Accidental release measures

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

**For non-emergency personnel:** Wear safety goggles if there is a risk of eye splash. Wear gloves. Provide good ventilation.

**For emergency responders:** In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

#### 6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains.

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

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills

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with a cloth.

### 6.4. Reference to other sections

See section 8 for type of protective equipment.  
See section 13 for instructions on disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

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

The product should be stored safely out of reach of children and not together with food, feed, medicine and the like. Keep in tightly closed original packaging. Storage temperature: 0-35 °C. Avoid direct sunlight. Do not store with the following: Strong acids/ Strong alkalis/ Strong oxidisers/ Strong reducing agents.

Shelf life: minimum 3 years from opening the packaging.

### 7.3. Specific end use(s)

None.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limit:** Contains no substances subject to reporting requirements.

**Measuring methods:** Compliance with occupational exposure limits may be checked by occupational hygiene measurements.

**Legal basis:** Commission Directive 2000/39/EC (Occupational Exposure Limits) as subsequently amended. Last amended by Commission Directive 2019/1831/EU. Directive 2004/37/EC (Exposure to carcinogens or mutagens at work) as subsequently amended. Last amended by Directive 2024/869/EU. Directive 2009/148/EC (Exposure to asbestos at work) as subsequently amended. Last amended by Directive 2023/2668/EU.

### PNEC

ethanol, cas-no 64-17-5				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	960 µg/l			
PNEC sediment (freshwater)	3,6 mg/kg			
PNEC aqua (marine water)	790 µg/l			
PNEC sediment (marine water)	2,9 mg/kg			
PNEC soil	0,630 mg/kg			
PNEC aqua (intermittent releases (fresh water))	2,75 mg/l			
PNEC STP (wastewater-treatment facilities)	580 mg/l			
propan-2-ol, cas-no 67-63-0				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	140,9 mg/l			
PNEC sediment (freshwater)	552 mg/kg			

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PNEC aqua (marine water)	140,9 mg/l			
PNEC sediment (marine water)	552 mg/kg			
PNEC soil	28 mg/kg			
PNEC aqua (intermittent releases (fresh water))	140,9 mg/l			
PNEC STP (wastewater-treatment facilities)	2,251 g/l			
ammonia ... %, cas-no 1336-21-6				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	0,0011 mg/l			
PNEC aqua (marine water)	0,0011 mg/l			
PNEC aqua (intermittent releases)	0,0068 mg/l			

### DNEL - workers

ethanol, cas-no 64-17-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (acute/short-term exposure - local effects)	1900 mg/m <sup>3</sup>				
Inhalation DNEL (long-term exposure - systemic effects)	950 mg/m <sup>3</sup>				
Dermal DNEL (long-term exposure - systemic effects)	343 mg/kg bw/day				
propan-2-ol, cas-no 67-63-0					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	888 mg/kg bw/day				
Inhalation DNEL (acute/short-term exposure - systemic effects)	1000 mg/m <sup>3</sup>				
Inhalation DNEL (long-term exposure - systemic effects)	500 mg/m <sup>3</sup>				
ammonia ... %, cas-no 1336-21-6					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	6,8 mg/kg				
Dermal DNEL (long-term exposure - local effects)	14 mg/m <sup>3</sup>				
Inhalation DNEL (long-term exposure - systemic effects)	47,6 mg/m <sup>3</sup>				

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### DNEL - general population

ethanol, cas-no 64-17-5					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	206 mg/kg bw/day				
Inhalation DNEL (acute/short-term exposure - local effects)	950 mg/m <sup>3</sup>				
Inhalation DNEL (long-term exposure - systemic effects)	114 mg/m <sup>3</sup>				
Oral DNEL (long-term exposure - systemic effects)	87 mg/kg bw/day				
propan-2-ol, cas-no 67-63-0					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	319 mg/kg bw/day				
Inhalation DNEL (acute/short-term exposure - systemic effects)	178 mg/m <sup>3</sup>				
Inhalation DNEL (long-term exposure - systemic effects)	89 mg/m <sup>3</sup>				
Oral DNEL (acute/short-term exposure - systemic effects)	51 mg/kg bw/day				
Oral DNEL (long-term exposure - systemic effects)	26 mg/kg bw/day				
ammonia ... %, cas-no 1336-21-6					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	68 mg/l				
Inhalation DNEL (long-term exposure - systemic effects)	23,8 mg/m <sup>3</sup>				
Inhalation DNEL (long-term exposure - local effects)	2,8 mg/m <sup>3</sup>				

### 8.2. Exposure controls

**Appropriate engineering controls:** Use the product under well-ventilated conditions. Wear the personal protective equipment specified below.

**Personal protective equipment, eyeface protection:** Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 16321.

**Personal protective equipment, hand protection:** Plastic or rubber gloves recommended.

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**Personal protective equipment, respiratory protection:** Not required.

**Environmental exposure controls:** Ensure compliance with local regulations for emissions.

### SECTION 9: Physical and chemical properties

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

Parameter	Value/unit
Physical state	Liquid
Colour	Yellowish
Odour	Alcohol
Solubility	Miscible with the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Boiling point or initial boiling point and boiling range	No data	
Flammability	No data	
Flammability limits	No data	
Lower and upper explosion limit	No data	
Flash Point		The product cannot sustain combustion.
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	~ 10.5	
Kinematic viscosity	< 50 mPas	
Viscosity	No data	
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	~ 0.95 g/cm <sup>3</sup>	
Relative density	No data	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

#### 9.2. Other information

Parameter	Value/unit	Remarks
Oxidising properties		Non-oxidising.
VOC (Volatile organic compounds)	112 g/L	

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reacts with the following: Strong acids/ Strong alkalis/ Strong oxidisers/ Strong reducing agents.

#### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

#### 10.3. Possibility of hazardous reactions

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None known.

### 10.4. Conditions to avoid

Avoid direct sunlight. Avoid temperatures <0°C. Avoid temperatures >35°C.

### 10.5. Incompatible materials

Strong acids/ Strong alkalis/ Strong oxidisers/ Strong reducing agents.

### 10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

## SECTION 11: Toxicological information

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

#### Acute toxicity - oral

##### ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		10470 mg/kg bw		OECD 401	ECHA

##### propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		5840 mg/kg bw		OECD 401	ECHA

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - dermal

##### propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		16.4 mg/kg bw		OECD 402	ECHA

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Acute toxicity - inhalation

##### ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50		117 - 125 mg/l		OECD 403	ECHA

##### propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	4h	> 10000 ppm		OECD 403	ECHA

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Skin corrosion/irritation:

May cause slight irritation. The product does not have to be classified. Test data are not available.

#### Serious eye damage/eye irritation

##### propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
				Irritating	OECD 405	

Temporary irritation. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### Respiratory sensitisation or

The product does not have to be classified. Test data are not available.

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**skin sensitisation:**

**Germ cell mutagenicity:** The product does not have to be classified. Test data are not available.

**Carcinogenic properties:** The product does not have to be classified. Test data are not available.

**Reproductive toxicity:** The product does not have to be classified. Test data are not available.

**Single STOT exposure:** The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. The product does not have to be classified. Test data are not available.

**Repeated STOT exposure:** The product does not have to be classified. Test data are not available.

**Aspiration hazard:** The product does not have to be classified. Test data are not available.

**11.2. Information on other hazards**

**Endocrine disrupting properties:** None known.

**Other toxicological effects:** None known.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**ethanol, cas-no 64-17-5**

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish			96hLC50	> 10000 mg/l		OECD 203	ECHA
Crustacea	Ceriodaphnia dubia		48hLC50	5012 mg/l		ASTM E 729-80	ECHA
Algae	Chlorella vulgaris		5dEC50	275 mg/l		OECD 201	ECHA

**propan-2-ol, cas-no 67-63-0**

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish			96hLC50	mg/l		OECD 203	
Crustacea	Daphnia magna		24hLC50	10000 mg/l		OECD 202	ECHA
Algae	Scenedesmus quadricauda	7d		1800 mg/l			ECHA

**ammonia ... %, cas-no 1336-21-6**

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Algae	Chlorella vulgaris		18dEC50	2700 mg/l		OECD 201	Supplier SDS
Crustacea	Daphnia magna		48hEC50	101 mg/l		OECD 202	Supplier SDS
Fish	Oncorhynchus mykiss		73dLOEC	0.022 mg/l			Supplier SDS
Crustacea	Daphnia magna		96hNOEC	0.79 mg/l			Supplier SDS
Fish	Oncorhynchus mykiss		96hLC50	0.89 mg/l		OECD 203	Supplier SDS

The product contains small quantities of environmentally hazardous substances. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

**12.2. Persistence and degradability**

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Readily biodegradable. Test data are not available.

### 12.3. Bioaccumulative potential

No bioaccumulation expected. Test data are not available.

### 12.4. Mobility in soil

Test data are not available.

### 12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

### 12.6. Endocrine disrupting properties

None known.

### 12.7. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Do not discharge large quantities of concentrated spills and residue into drains. If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste (Dir. 2008/98/EU). Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

**Category of waste:** EWC code: Depends on line of business and use, for instance 16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08  
Absorbent/cloth contaminated with the product: EWC code: 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

## SECTION 14: Transport information

**14.1. UN number or ID number:** Not applicable.

**14.4. Packing group:** Not applicable.

**14.2. UN proper shipping name:** Not applicable.

**14.5. Environmental hazards:** Not applicable.

**14.3. Transport hazard class(es):** Not applicable.

### 14.6. Special precautions for user

None.

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

Not applicable.

## SECTION 15: Regulatory information

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

#### Special Provisions:

Covered by:  
Regulation (EC) of the European Parliament and of the Council on detergents.

### 15.2. Chemical Safety Assessment

REACH Reg. No.

Substance name

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01-2119457558-25	propan-2-ol
01-2119457610-43	ethanol
01-2119488876-14	ammonia ... %

### SECTION 16: Other information

#### Version history and indication of changes

Version	Revision date	Responsible	Changes
3.0.0	23/04/2026	JOJ	1,16

**Abbreviations:**  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very Persistent and Very Bioaccumulative  
STOT: Specific Target Organ Toxicity  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration

**Other Information:** This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

**Training advice:** A thorough knowledge of this safety data sheet should be a prerequisite condition.

**Classification method:** Calculation based on the hazards of the known components.

#### Hazard statements

H225 Highly flammable liquid and vapour.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

#### SDS is prepared by

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