

Microsure Surface Sanitizer

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 9/14/2020 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Microsure Surface Sanitizer

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

1.2.1. Relevant identified uses

Intended for general public
Industrial/Professional use spec : Consumer
Use of the substance/mixture : For the sanitization of interior and exterior surfaces.
Function or use category : Multipurpose disinfectant for surfaces, materials and equipment

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Distributor

Microsure Europe Ltd
Morette, Emo, Co Laois
R32X 362
T 00353 87 8181444.
martin@microsure.eu

1.4. Emergency telephone number

Emergency number : 00353 87 8181444 (24 Hour)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P103 - Read label before use.
P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Silica, amorphous	(CAS-No.) 7631-86-9 (EC-No.) 231-545-4 (REACH-no) 01-2119379499-16	0.1 – 0.5	Not classified
BENZALKONIUM CHLORIDE	(CAS-No.) 68424-85-1 (EC-No.) 270-325-2 (REACH-no) 01-2119965180-41	< 0.5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1, H314 Aquatic Acute 1, H400 (M=10)

Comments : Non-Hazardous ingredients are the remainder and add up to 100%
Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact : Take off immediately all contaminated clothing. Rinse skin with water/shower.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : The product is not flammable.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Non-flammable.
Hazardous decomposition products in case of fire : None.

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

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6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from: Heat sources.
Keep container tightly closed. Store away from freezing (avoid freezing during storage).
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.
Storage temperature : 0 – 40 °C

7.3. Specific end use(s)

Refer to section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Silica, amorphous (7631-86-9)

Ireland - Occupational Exposure Limits

OEL (8 hours ref) (mg/m ³)	6 mg/m ³ (total inhalable dust) 2.4 mg/m ³ (respirable dust)
OEL (15 min ref) (mg/m ³)	7.2 mg/m ³ (cacluated, respirable dust)

Monitoring methods

Monitoring methods A specific exposure sampling method is not available

8.2. Exposure controls

Personal protective equipment:

Avoid all unnecessary exposure.

Eye protection:

Avoid contact with eyes

Other information:

Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: colourless.
Odour	: Ammonia- like odour.
Odour threshold	: Not determined for this product
pH	: 5 – 9
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (water=1)	: Higher initially and declining as lighter components
Melting point	: Not applicable to liquids
Freezing point	: < 0 °C
Boiling point	: 100 °C
Flash point	: > 93 °C Approximate
Auto-ignition temperature	: Not determined for this product
Decomposition temperature	: Not determined for this product
Flammability (solid, gas)	: Non-Flammable.
Vapour pressure	: Not determined for this product
Relative vapour density at 20 °C	: Not determined for this product
Relative density	: 1 g/cm ³ at 25 C
Solubility	: completely (100%) soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: Not determined for this product
Viscosity, kinematic	: Not determined for this product
Viscosity, dynamic	: < 95 mPa·s
Explosive properties	: Product is not explosive.
Oxidising properties	: Oxidising liquids Not classified.
Explosive limits	: Not determined for this product

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

None under recommended storage and handling conditions (see section 7).

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)

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Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Silica, amorphous (7631-86-9)

LD50 oral rat	7900 mg/kg
LD50 oral	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg
LD50 dermal	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 2.08 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	> 2080 mg/l
ATE CLP (oral)	7900 mg/kg bodyweight
ATE CLP (dust,mist)	5000 mg/m ³

BENZALKONIUM CHLORIDE (68424-85-1)

LD50 oral rat	426 mg/kg
LD50 oral	426 mg/kg bodyweight
LD50 dermal	2300 mg/kg bodyweight
ATE CLP (oral)	500 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 5 – 9
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 5 – 9
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Silica, amorphous (7631-86-9)

IARC group	3 - Not classifiable
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Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified
Additional information : Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

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Silica, amorphous (7631-86-9)

LC50 fish 1	5000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	7600 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)
EC50 other aquatic organisms 1	> 10000 mg/l waterflea
EC50 72h algae (1)	440 mg/l (Species: Pseudokirchneriella subcapitata)

BENZALKONIUM CHLORIDE (68424-85-1)

LC50 fish 1	0.28 mg/l
EC50 other aquatic organisms 1	0.0058 mg/l waterflea
EC50 other aquatic organisms 2	0.049 mg/l

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Silica, amorphous (7631-86-9)

BCF fish 1	(no bioaccumulation expected)
Partition coefficient n-octanol/water (Log Pow)	0.53

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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14.3. Transport hazard class(es)

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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14.4. Packing group

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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14.5. Environmental hazards

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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No supplementary information available

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code	Applicable on
3(b)	BENZALKONIUM CHLORIDE
3(c)	BENZALKONIUM CHLORIDE

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data	: Supplier information. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830. CLP Inventory. ECHA (European Chemicals Agency).
Other information	: None.

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Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.