

Micropur Tank Care Clean

Print date 24.04.2023

Revision date 21.03.2023

Version 1.0 (en)

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

1.1 Product identifier

Trade name/designation Micropur Tank Care Clean

Hazard components

potassium hydrogensulphate, Potassium hydrogenperoxomonosulphate

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

Sector of uses [SU]

SU21 Consumer uses: Private households (= general public = consumers)

Product Categories [PC]

PC35 Washing and cleaning products

Use of the substance/mixture

cleaning agent for water tanks

1.3 Details of the supplier of the safety data sheet

Distribution Europe

Katadyn Deutschland GmbH

Hessenring 23

D-64546 Mörfelden-Walldorf

Department responsible for information:

This number is only available at office times.

Telephone +49 6105 45 67 89

Manufacturer / Distribution Switzerland

Katadyn Produkte AG

Pfäffikerstrasse 37

CH-8310 Kempthal

Telephone +41 44 839 21 11

Department responsible for information:

This number is only available at office times.

Telephone +41 44 839 21 11

E-mail (competent person):

info@katadyn.ch

1.4 Emergency telephone number

Swiss toxicological Information Center 145

Europe: GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Skin Irrit. 2, H315

Eye Dam. 1, H318

Hazard statements for health hazards

H315 Causes skin irritation.

H318 Causes serious eye damage.

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Remark

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2 Label elements

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

Hazard components

potassium hydrogensulphate, Potassium hydrogenperoxomonosulphate

Hazard pictograms



GHS05

Signal word

Danger

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing and eye/face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER.

P501 Contents / container hand over to an approved waste disposal facility.

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Hazardous ingredients

| CAS No. | EC No. | Substance name | Concentration | Classification according to Regulation (EC) No 1272/2008 [CLP] | SCL/ M/ ATE |
|------------|-----------|--------------------------------------|----------------|--|----------------------|
| 7646-93-7 | 231-594-1 | potassium hydrogensulphate | 1 < 5 weight-% | Skin Corr. 1B; H314 STOT SE 3; H335 | |
| 10058-23-8 | 233-187-4 | Potassium hydrogenperoxomonosulphate | 1 < 5 weight-% | Ox. Sol. 3; H272 Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Chronic 3; H412 | ATE(oral): 500 mg/kg |

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

Following inhalation

Provide fresh air.

If intensive inhalation of dust seek medical treatment immediately.

In the event of symptoms refer for medical treatment.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

In case of skin irritation, consult a physician.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

Do NOT induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label.

Rinse mouth thoroughly with water.

Let water be drunk in little sips (dilution effect).

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam

Extinguishing powder

Carbon dioxide (CO₂)

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Fire gas of organic material has to be classed invariably as respiratory poison.

Carbon monoxide

Carbon dioxide (CO₂)

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

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Additional information

The product itself does not burn.

Co-ordinate fire-fighting measures to the fire surroundings.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid contact with skin and eyes.

Provide adequate ventilation.

Avoid dust formation.

Use personal protection equipment.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Take up mechanically and send for disposal.

Send in suitable containers for recovery or disposal.

Keep at a distance of water, take up dry, wear breathing apparatus and personal protective clothing.

For cleaning up

Avoid dust formation.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

receptor hood for dust

Avoid the formation and deposition of dust.

Suitable industrial vacuum cleaners or central extraction equipment must be used for taking up dust.

Take the usual precautions when handling chemicals.

Avoid:

Dust deposits

Do not inhale dust.

Advices on general occupational hygiene

Keep away from food and drink.

Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Keep container tightly closed.

Storage class

8B Non-combustible corrosive substances

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Materials to avoid

Do not store together with:

Food and feedingstuffs

Keep away from:

Water

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Protect from heat and direct solar radiation.

Protect from wetness.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

Care for thorough room ventilation, if necessary provide local air ventilation.

Personal protection equipment

Eye/face protection

safety goggles EN 166

Hand protection

Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrilkautschuk, Level 6, 480 Min., EN 374

Body protection:

Light protective clothing, antistatic

Respiratory protection

Suitable respiratory protection apparatus:

Particle filter P2

In case of dust formation wear micro dust mask.

Additional information

No occupational exposure limits (OELs) have been established for the product.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

solid

Colour

whitish

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Odour

odourless

Safety relevant basis data

| | Value | Method | Source, Remark |
|--|--|--------|------------------------------------|
| Odour threshold: | not determined | | |
| Melting point/freezing point | not determined | | |
| Boiling point or initial boiling point and boiling range | 1440 °C | | |
| flammability | not determined | | |
| Lower and upper explosion limit | not determined | | |
| Flash point | not determined | | |
| Auto-ignition temperature | | | The product ist not self-igniting. |
| Decomposition temperature | not determined | | |
| pH | 2.5 | | |
| Viscosity | not determined | | |
| Solubility(ies) | Water solubility 250 g/L | | soluble |
| Partition coefficient n-octanol/water (log value) | not determined | | |
| Vapour pressure | not determined | | |
| Density and/or relative density | | | not determined |
| Density and/or relative density | Bulk density 1.15 kg/m ³ | | |
| Relative vapour density | not determined | | |
| particle characteristics | not determined | | |

9.2 Other information

Other safety characteristics

| | Value | Method | Source, Remark |
|----------------------|-------|--------|------------------------------|
| Explosive properties | | | The product is not explosiv. |

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions known.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No decomposition if used as directed.

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10.5 Incompatible materials

Reactions with strong acids.
Oxidising agent, strong

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

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

Acute toxicity

Animal data

| | Effective dose | Method, Evaluation | Source, Remark |
|---------------------------|---|--------------------|----------------|
| Acute oral toxicity | CAS No.10058-23-8 Potassium hydrogenperoxomonosulphate LD50: 500 mg/kg | | |
| Acute dermal toxicity | not determined | | |
| Acute inhalation toxicity | not determined | | |

Skin corrosion/irritation

Animal data

| Result / Evaluation | Method | Source, Remark |
|--|--------|----------------|
| slightly irritant but not relevant for classification. | | |

Serious eye damage/irritation

Animal data

| Result / Evaluation | Method | Source, Remark |
|---------------------|--------|----------------|
| Irritant. | | |

Sensitisation to the respiratory tract

not determined

Skin sensitisation

not determined

Germ cell mutagenicity

not determined

Carcinogenicity

not determined

Reproductive toxicity

not determined

STOT-single exposure

not determined

STOT-repeated exposure

not determined

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Aspiration hazard

not determined

11.2 Information on other hazards

Symptoms related to the physical, chemical and toxicological characteristics

| | Effective dose | Method,Evaluation | Source, Remark |
|---------------------------------|----------------|-------------------|----------------|
| Endocrine disrupting properties | | No data available | |

Other information

Long-term irritations of eyes possible.
 The product was classified on the basis of the calculation procedure of the Regulation (EU) Nr. 1272/2008 (CLP).
 Toxicological data are not available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

| | Effective dose | Method,Evaluation | Source, Remark |
|---|----------------|-------------------|----------------|
| Acute (short-term) fish toxicity | | | |
| Chronic (long-term) fish toxicity | not determined | | |
| Acute (short-term) toxicity to crustacea | | | |
| Chronic (long-term) toxicity to aquatic invertebrate | not determined | | |
| Acute (short-term) toxicity to algae and cyanobacteria | | | |
| Chronic (long-term) toxicity to aquatic algae and cyanobacteria | not determined | | |
| Toxicity to other aquatic plants/organisms | not determined | | |
| Toxicity to microorganisms | not determined | | |

12.2 Persistence and degradability

| | Value | Method | Source, Remark |
|----------------|-------|--------|-------------------|
| Biodegradation | | | No data available |

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

| | Effective dose | Method,Evaluation | Source, Remark |
|---------------------------------|----------------|-------------------|--|
| Endocrine disrupting properties | | | This product contains a substance that has endocrine disrupting properties with respect to non-target organisms. |

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12.7 Other adverse effects

Additional ecotoxicological information

Additional information

Do not discharge into the drains/surface waters/groundwater.
 Ecological dates are not available.
 Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

| Waste code product | Waste name |
|--------------------|--|
| 160507 * | discarded inorganic chemicals consisting of or containing hazardous substances |

Appropriate disposal / Product

In accordance with regulations for special waste, must be taken to a special waste disposal.
 Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Appropriate disposal / Package

Completely emptied packages can be recycled.
 Handle contaminated packages in the same way as the substance itself.

Remark

Evidence for disposal must be provided.
 Partially emptied packaging must be taken to point of sale or to a special waste disposal. Dispose of empty containers as urban waste.

SECTION 14: Transport information

| | Land transport (ADR/RID) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|--|---|---|---|
| 14.1 UN number or ID number | UN 3260 | UN 3260 | UN 3260 |
| 14.2 UN proper shipping name | CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (potassium hydrogensulphate, Potassium hydrogenperoxomonosulphate) | CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (potassium hydrogensulphate, Potassium hydrogenperoxomonosulphate) | Corrosive solid, acidic, inorganic, n.o.s. (potassium hydrogensulphate, Potassium hydrogenperoxomonosulphate) |
| 14.3 Transport hazard class(es) | 8 | 8 | 8 |
| 14.4 Packing group | II | II | II |
| 14.5 Environmental hazards | ENVIRONMENTALLY HAZARDOUS | No | - |

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available

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Land transport (ADR/RID)

| | |
|----------------------------|---|
| UN number or ID number | UN 3260 |
| UN proper shipping name | CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (potassium hydrogensulphate, Potassium hydrogenperoxomonosulphate) |
| Transport hazard class(es) | 8 |
| Hazard label(s) | 8 |
| Classification code | C2 |
| Packing group | II |
| Environmental hazards | ENVIRONMENTALLY HAZARDOUS |
| Limited quantity (LQ) | 1 kg |
| Special provisions | 274 |
| Tunnel restriction code | E |

Sea transport (IMDG)

| | |
|----------------------------|---|
| UN number or ID number | UN 3260 |
| UN proper shipping name | CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (potassium hydrogensulphate, Potassium hydrogenperoxomonosulphate) |
| Transport hazard class(es) | 8 |
| Packing group | II |
| Environmental hazards | No |
| Limited quantity (LQ) | 1 kg |
| Marine pollutant | No |
| EmS | F-A, S-B |

Air transport (ICAO-TI / IATA-DGR)

| | |
|----------------------------|---|
| UN number or ID number | UN 3260 |
| UN proper shipping name | Corrosive solid, acidic, inorganic, n.o.s. (potassium hydrogensulphate, Potassium hydrogenperoxomonosulphate) |
| Transport hazard class(es) | 8 |
| Packing group | II |
| Environmental hazards | - |

SECTION 15: Regulatory information

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

Other regulations (EU)

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC

VOC content, ready-to-use condition 0 g/L

VOC content, delivery state 0 %

VOC-value 0 g/L

15.2 Chemical Safety Assessment

National regulations

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information

Additional information

National and local regulations concerning chemicals shall be observed.

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.

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

| | |
|------|--|
| H272 | May intensify fire; oxidiser. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |