

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-STK Bedpan clear rinsing agent

Revision date: 25.06.2020

Product code: 20475

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

1.1. Product identifier

RHEOSOL-STK Bedpan clear rinsing agent

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

Use of the substance/mixture

Acidic rinsing agent with scale stop.

1.3. Details of the supplier of the safety data sheet

| | | |
|-------------------------|--|----------------------------|
| Company name: | NW-Chemie GmbH | |
| Street: | Langbaughstr. 15 | |
| Place: | D-53842 Troisdorf | |
| Telephone: | +49 2241-3923-0 | Telefax: +49 2241-3923-90 |
| e-mail: | info@rheosol.de | |
| Contact person: | Dr. Friedrichs (MSDS qualified person) | Telephone: +49 2241-3923-0 |
| e-mail: | sicherheit@rheosol.de | |
| Internet: | www.rheosol.de | |
| Responsible Department: | Produktsicherheit | |

1.4. Emergency telephone number: Giftnotruf Berlin (Germany): +49 30 30686 700

Further Information

This safety data sheet replaces the former safety data sheet.
The affected sections are listed in section 16.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

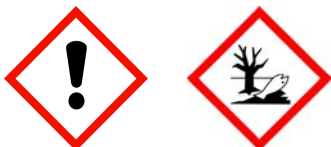
Hazard categories:
 Serious eye damage/eye irritation: Eye Irrit. 2
 Hazardous to the aquatic environment: Aquatic Chronic 2
 Hazard Statements:
 Causes serious eye irritation.
 Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Warning

Pictograms:



Hazard statements

H319 Causes serious eye irritation.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/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.
 P337+P313 If eye irritation persists: Get medical advice/attention.

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P391 Collect spillage.

Special labelling of certain mixtures

EUH208 Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

Additional advice on labelling

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

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

| CAS No | Chemical name | Quantity |
|-------------|--|------------------|
| | EC No | Index No |
| | REACH No | |
| | GHS Classification | |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | 10 - < 15 % |
| | 200-661-7 | 01-2119457558-25 |
| | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 | |
| 68439-51-0 | Alcohols, C12-14, ethoxylated propoxylated | 10 - < 15 % |
| | Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H319 H400 H410 | |
| 5949-29-1 | citric acid monohydrate | 5 - < 10 % |
| | 201-069-1 | 01-2119457026-42 |
| | Eye Irrit. 2; H319 | |
| 9003-04-7 | sodium polyacrylate | 1 - < 5 % |
| | Eye Irrit. 2, Aquatic Chronic 3; H319 H412 | |
| 15763-76-5 | Sodium p-cumenesulfonate | 1 - < 5 % |
| | 239-854-6 | 01-2119489411-37 |
| | Eye Irrit. 2; H319 | |
| 164524-02-1 | Potassium p-cumenesulfonate | 1 - < 5 % |
| | 629-764-9 | 01-2119489427-24 |
| | Eye Irrit. 2; H319 | |
| 55965-84-9 | Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | < 0.1 % |
| | - | 613-167-00-5 |
| | Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1 (M-Factor = 100), Aquatic Chronic 1 (M-Factor = 100); H330 H310 H301 H314 H318 H317 H400 H410 EUH071 | |

Full text of H and EUH statements: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

5 % - < 15 % non-ionic surfactants, < 5 % polycarboxylates, < 5 % anionic surfactants, < 5 % phosphonates, preservation agents (Methylchloroisothiazolinone/methylisothiazolinone).

Further Information

Note: The danger characteristics refer to the properties of the neat substances.

Full text of H- and EUH-phrases: see section 16.

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SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Seek medical attention if problems persist.

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

No information available.

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**

Co-ordinate fire-fighting measures to the fire surroundings. Alcohol resistant foam.

Dry extinguishing powder.

Carbon dioxide (CO₂).

Water spray.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable. In case of fire may be liberated:

Carbon dioxide (CO₂).

Nitrogen oxides (NO_x).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Use appropriate respiratory protection.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Consider conventional precautions for chemical handling. Provide sufficient ventilation. Protective gloves, eye protection (recommended). Danger of slipping by leaking/spilling product.

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6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Wipe up with absorbent material (eg. cloth, fleece).

Treat the recovered material as prescribed in the section on waste disposal.

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****Advice on safe handling**

Provide adequate ventilation.

Avoid contact with skin and eyes.

Do not breathe gas/fumes/vapour/spray.

When using do not eat, drink or smoke.

Advice on protection against fire and explosion

In case of heating or fire formation of toxic gases is possible.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

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

Protect against:

UV-radiation/sunlight.

frost.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Acidic rinsing agent with scale stop.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|---------|-------------|-----|-------------------|-----------|---------------|--------|
| 67-63-0 | Propan-2-ol | 400 | 999 | | TWA (8 h) | WEL |
| | | 500 | 1250 | | STEL (15 min) | WEL |

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DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|---|----------------|----------|------------------------|
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | |
| Worker DNEL, long-term | | dermal | systemic | 888 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 500 mg/m ³ |
| Consumer DNEL, long-term | | oral | systemic | 26 mg/kg bw/day |
| Consumer DNEL, long-term | | dermal | systemic | 319 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 89 mg/m ³ |
| 15763-76-5 | Sodium p-cumenesulfonate | | | |
| Consumer DNEL, long-term | | oral | systemic | 3,8 mg/kg bw/day |
| Consumer DNEL, long-term | | dermal | systemic | 3,8 mg/kg bw/day |
| Worker DNEL, long-term | | dermal | systemic | 7,6 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 13,2 mg/m ³ |
| Worker DNEL, long-term | | inhalation | systemic | 53,6 mg/m ³ |
| 164524-02-1 | Potassium p-cumenesulfonate | | | |
| Consumer DNEL, long-term | | oral | systemic | 3,8 mg/kg bw/day |
| Consumer DNEL, long-term | | dermal | systemic | 3,8 mg/kg bw/day |
| Worker DNEL, long-term | | dermal | systemic | 7,6 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 13,2 mg/m ³ |
| Worker DNEL, long-term | | inhalation | systemic | 53,6 mg/m ³ |

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PNEC values

| CAS No | Substance | Value |
|--|---|-------------|
| Environmental compartment | | |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | |
| Freshwater | | 140,9 mg/l |
| Freshwater (intermittent releases) | | 140,9 mg/l |
| Marine water | | 140,9 mg/l |
| Freshwater sediment | | 552 mg/kg |
| Marine sediment | | 552 mg/kg |
| Secondary poisoning | | 160 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 2251 mg/l |
| Soil | | 28 mg/kg |
| 5949-29-1 | citric acid monohydrate | |
| Freshwater | | 0,44 mg/l |
| Marine water | | 0,044 mg/l |
| Freshwater sediment | | 7,52 mg/kg |
| Marine sediment | | 0,752 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 1094 mg/l |
| Soil | | 29,2 mg/kg |
| 15763-76-5 | Sodium p-cumenesulfonate | |
| Freshwater | | 0,23 mg/l |
| Freshwater (intermittent releases) | | 2,3 mg/l |
| Micro-organisms in sewage treatment plants (STP) | | 100 mg/l |
| 164524-02-1 | Potassium p-cumenesulfonate | |
| Freshwater | | 0,23 mg/l |
| Freshwater (intermittent releases) | | 2,3 mg/l |
| Micro-organisms in sewage treatment plants (STP) | | 100 mg/l |

8.2. Exposure controls



Appropriate engineering controls

No special measures are necessary.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. No special measures are necessary.

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the

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supplier of these gloves. (If necessary) protective gloves
penetration time (maximum wearing period): 8 h

Suitable material:

NR (Natural rubber (Caoutchouc), Natural latex). 0,5 mm

CR (polychloroprenes, Chloroprene rubber). 0,5 mm

NBR (Nitrile rubber). 0,35 mm

FKM (fluororubber). 0,4 mm

PVC (Polyvinyl chloride). 0,5 mm

Before using check leak tightness / impermeability.

Skin protection

not required

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection necessary at: aerosol or mist generation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|------------|
| Physical state: | liquid |
| Colour: | colourless |
| Odour: | alcoholic |
| pH-Value: | 3,2 |

Changes in the physical state

| | |
|--|---------------------------|
| Melting point: | not applicable |
| Initial boiling point and boiling range: | 82 °C |
| Sublimation point: | not applicable |
| Softening point: | not applicable |
| Pour point: | not applicable |
| Flash point: | not applicable |
| Sustaining combustion: | Not sustaining combustion |

Flammability

| | |
|--------|----------------|
| Solid: | not applicable |
| Gas: | not applicable |

Explosive properties

The product is not: Explosive.

| | |
|-------------------------|----------------|
| Lower explosion limits: | not applicable |
| Upper explosion limits: | not applicable |
| Ignition temperature: | not applicable |

Auto-ignition temperature

| | |
|--------|----------------|
| Solid: | not applicable |
| Gas: | not applicable |

Decomposition temperature: not determined

Oxidizing properties

Not oxidizing.

| | |
|--------------------------------|-------------|
| Vapour pressure: (at 20 °C) | 43 hPa |
| Vapour pressure: (at 50 °C) | 229 hPa |
| Density: | 1,058 g/cm³ |

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| | |
|---|-------------------|
| Water solubility: | complete miscible |
| Solubility in other solvents not determined | |
| Partition coefficient: | not determined |
| Flow time: | No data available |
| Vapour density: | not determined |
| Evaporation rate: | not determined |

9.2. Other information

| | |
|----------------|----------------|
| Solid content: | not applicable |
|----------------|----------------|

SECTION 10: Stability and reactivity**10.1. Reactivity**

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

There are no data available on the preparation/mixture itself.

10.4. Conditions to avoid

The product is stable, if used in compliance with instructions

10.5. Incompatible materials

Materials to avoid:
Alkalis (alkalis).

10.6. Hazardous decomposition products

not known

Further information

Keep cool. Protect from sunlight.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

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Acute toxicity

| CAS No | Chemical name | | | | |
|-------------|---|----------------------|---------|----------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | | |
| | oral | LD50 >2000 mg/kg | Rat | | |
| | dermal | LD50 >2000 mg/kg | Rabbit | | |
| | inhalation (4 h) vapour | LC50 30 mg/l | | | |
| 68439-51-0 | Alcohols, C12-14, ethoxylated propoxylated | | | | |
| | oral | LD50 2000-5000 mg/kg | Rat | | |
| 5949-29-1 | citric acid monohydrate | | | | |
| | oral | LD50 5400 mg/kg | Mouse | OECD 401 | |
| | dermal | LD50 >2000 mg/kg | Rat | | |
| 9003-04-7 | sodium polyacrylate | | | | |
| | oral | LD50 >5000 mg/kg | Rat | | |
| 15763-76-5 | Sodium p-cumenesulfonate | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | OECD 401 | |
| | dermal | LD50 > 2000 mg/kg | Rat | OECD 402 | |
| | inhalation (4 h) vapour | LC50 > 6,41 mg/l | Rat | ECHA | |
| 164524-02-1 | Potassium p-cumenesulfonate | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | OECD 401 | |
| | dermal | LD50 > 2000 mg/kg | Rat | OECD 402 | |
| | inhalation (4 h) vapour | LC50 > 6,41 mg/l | Rat | ECHA | |
| 55965-84-9 | Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | | | | |
| | oral | LD50 457 mg/kg | Rat | | |
| | dermal | LD50 660 mg/kg | Rabbit | | |
| | inhalation (4 h) vapour | LC50 2,36 mg/l | Rat | | |
| | inhalation aerosol | ATE 0,05 mg/l | | | |

Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. There are no data available on the preparation/mixture itself.

Practical experience

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Observations relevant to classification

Diluted solutions may have a weaker effect, depending on the concentration.

Further information

Additional information according to EG 648/2004: contains METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE as preservative.

SECTION 12: Ecological information**12.1. Toxicity**

Toxic to aquatic life with long lasting effects.

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| CAS No | Chemical name | | | | | |
|-------------|---|-------------------|-----------|---------------------------------|----------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | | | |
| | Acute fish toxicity | LC50 >100 mg/l | 96 h | Leuciscus idus | | |
| | Acute algae toxicity | ErC50 >1000 mg/l | 72 h | Scenedesmus subspicatus | | |
| | Acute crustacea toxicity | EC50 13299 mg/l | 48 h | Daphnia magna | | |
| 68439-51-0 | Alcohols, C12-14, ethoxylated propoxylated | | | | | |
| | Acute fish toxicity | LC50 1,41 mg/l | 96 h | Danio rerio | OECD 203 | |
| | Acute algae toxicity | ErC50 0,312 mg/l | 72 h | Raphidocelis subcapitata | OECD 201 | |
| | Acute crustacea toxicity | EC50 0,88 mg/l | 48 h | Daphnia magna | OECD 202 | |
| 5949-29-1 | citric acid monohydrate | | | | | |
| | Acute fish toxicity | LC50 440 mg/l | 96 h | Leuciscus idus | OECD 203 | |
| | Acute algae toxicity | ErC50 425 mg/l | 96 h | Scenedesmus quadricauda | | |
| | Acute crustacea toxicity | EC50 1535 mg/l | 48 h | Daphnia magna | | |
| | Acute bacteria toxicity | (>10000 mg/l) | | Pseudomonas putida | | |
| 9003-04-7 | sodium polyacrylate | | | | | |
| | Acute fish toxicity | LC50 >100 mg/l | 96 h | Oncorhynchus mykiss | | |
| | Acute algae toxicity | ErC50 10-100 mg/l | 72 h | Selenastrum capricornutum | | |
| | Acute crustacea toxicity | EC50 >100 mg/l | 48 h | Daphnia magna | | |
| 15763-76-5 | Sodium p-cumenesulfonate | | | | | |
| | Acute fish toxicity | LC50 >100 mg/l | 96 h | Oncorhynchus mykiss | | |
| | Acute algae toxicity | ErC50 >100 mg/l | 96 h | Pseudokirchneriella subcapitata | | |
| | Acute crustacea toxicity | EC50 >100 mg/l | 48 h | Daphnia magna | | |
| 164524-02-1 | Potassium p-cumenesulfonate | | | | | |
| | Acute fish toxicity | LC50 >100 mg/l | 96 h | Oncorhynchus mykiss | | |
| | Acute algae toxicity | ErC50 >100 mg/l | 96 h | Pseudokirchneriella subcapitata | | |
| | Acute crustacea toxicity | EC50 >100 mg/l | 48 h | Daphnia magna | | |
| 55965-84-9 | Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | | | | | |
| | Acute fish toxicity | LC50 0,19 mg/l | 96 h | rainbow trout | | |
| | Acute algae toxicity | ErC50 0,027 mg/l | 72 h | Scenedesmus capricornutum | | |
| | Acute crustacea toxicity | EC50 0,16 mg/l | 48 h | Daphnia magna | | |

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12.2. Persistence and degradability

The surfactants contained in the product are biodegradable according to the requirements of the Detergent Directive 648/2004/EC.

| CAS No | Chemical name | | | |
|------------|---|-------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | | | |
| | Biological degradability | 53 % | 5 | |
| | Readily biodegradable. | | | |
| 68439-51-0 | Alcohols, C12-14, ethoxylated propoxylated | | | |
| | OECD 301B | 92,4% | 28 | |
| | Not readily biodegradable. | | | |
| 5949-29-1 | citric acid monohydrate | | | |
| | Biological degradability | 97 % | 28 | |
| | Easily biodegradable. | | | |

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|-----------|---|---------|
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol | 0,05 |
| 5949-29-1 | citric acid monohydrate | -1,57 |

12.4. Mobility in soil

There are no data available on the preparation/mixture itself.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

Environmental properties

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. Dispose of waste according to applicable legislation. Hand over to officially registered waste disposal company.

List of Wastes Code - residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

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14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC): 12 % (126,96 g/l)
 2004/42/EC (VOC): 12 % (126,96 g/l)
 Information according to 2012/18/EU (SEVESO III): E2 Hazardous to the Aquatic Environment

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation).

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
 Water hazard class (D): 2 - obviously hazardous to water
 Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

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15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
propan-2-ol; isopropyl alcohol; isopropanol

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

P: Marine Pollutant

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial 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

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

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Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Eye Irrit. 2; H319 | Calculation method |
| Aquatic Chronic 2; H411 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|--------|---|
| H225 | Highly flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H310 | Fatal in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract. |
| EUH208 | Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction. |

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. Notice the directions for use on the label. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)