

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

1.1. Product identifier

Product form : Mixture
Product name : Spiroplus Mild Cleaner
UFI : W93C-0H9N-JC0X-7RED
Product code : 4000040

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

1.2.1. Relevant identified uses

Main use category : Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Spirotech BV
Churchill-laan 52
5705 BK Helmond
T 0031 492 57 89 89
www.spirotech.com

1.4. Emergency telephone number

| Country/Area | Organisation/Company | Address | Emergency number | Comment |
|--------------|---|---|------------------|---|
| Netherlands | Nationaal Vergiftigingen Informatie Centrum | Huispostnummer B.00.118 Postbus 85500 3508 GA Utrecht | +31 88 755 80 00 | Only for the purpose of informing medical personnel in cases of acute intoxications (24 hours a day, 7 days a week) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 1 H318
Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger
Contains : Tetrasodiummethylenediamine tetraacetate; Sodium lauriminodipropionate
Hazard statements (CLP) : H318 - Causes serious eye damage.
Precautionary statements (CLP) : P280 - Wear protective gloves, protective clothing, face protection, eye protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER, a doctor.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|-----|---|
| Tetrasodiummethylenediamine tetraacetate | CAS-No.: 64-02-8 EC-No.: 200-573-9 EC Index-No.: 607-428-00-2 REACH-no: 01-2119486762-27 | < 5 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Dam. 1, H318 STOT RE 2, H373 |
| Sodium lauriminodipropionate | CAS-No.: 14960-06-6 EC-No.: 239-032-7 | < 5 | Eye Dam. 1, H318 |
| Triethanolamine | CAS-No.: 102-71-6 EC-No.: 203-049-8 REACH-no: 01-2119486482-31 | < 5 | Not classified |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : In all cases of doubt, or when symptoms persist, seek medical attention. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Take to hospital. |
| First-aid measures after skin contact | : Take off contaminated clothing. Rinse skin with water/shower. Transport to hospital immediately. |
| First-aid measures after eye contact | : First prolonged rinsing with water (contact lenses to be removed if this is easily done), then take to a doctor. |
| First-aid measures after ingestion | : Rinse mouth out with water. Do NOT induce vomiting. Transport to hospital immediately. |

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

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : Unconsciousness. Dizziness. Headache. Nausea. Drowsiness. |
| Symptoms/effects after skin contact | : Pungent. Severe burns. Redness. Pain. |
| Symptoms/effects after eye contact | : Pungent. Pain. Redness. Blurred vision. |
| Symptoms/effects after ingestion | : Caustic, lack of breath, vomiting, blisters on lips and tongue, burning pain in mouth and throat, gullet and stomach. |

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

None.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, powder, foam, CO2.

5.2. Special hazards arising from the substance or mixture

Fire hazard : None known.

Explosion hazard : None known.

5.3. Advice for firefighters

Precautionary measures fire : No special precautions required.

Firefighting instructions : No specific firefighting instructions required.

Protection during firefighting : No specific measures are necessary.

Other information : No specific firefighting instructions required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not touch spilled material. Remove contaminated clothing and shoes. Do not breathe vapour. Do not breathe spray. Do not breathe dust.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb the product onto porous material.

6.4. Reference to other sections

Reference to other sections (8, 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handle carefully. Avoid spillage.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed and in well ventilated place. Keep out of frost.

Packaging materials : Packing material to avoid Metal. Suitable packing materials: Plastic.

7.3. Specific end use(s)

Additive.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

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8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

The level of protection and types of measures depend on workplace conditions. Adequate ventilation must be provided so that exposure limits are not exceeded. For more information, see section 7.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. Face-shield

8.2.2.2. Skin protection

Skin and body protection:

Impermeable clothing

Hand protection:

Nitrile rubber gloves. Breakthrough time: > 480 Min, (EN 374). Layer thickness : 0,35 mm. Always wash hands after handling the product

8.2.2.3. Respiratory protection

Respiratory protection:

Ensure adequate air ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Universel mask (ABEK)

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Comply with relevant environmental regulations limiting discharges to air, water and soil. Protect the environment by applying proper control measures to prevent or reduce releases. For more information, see sections 6 and 13.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|-------------------|
| Physical state | : Liquid |
| Colour | : Colourless. |
| Odour | : Characteristic. |
| Odour threshold | : Not applicable |
| Melting point | : 0 °C /. |
| Freezing point | : Not available |

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| | |
|---|--------------------------------|
| Boiling point | : 100 – 360 °C |
| Flammability | : Not applicable. |
| Explosive properties | : Not applicable. |
| Oxidising properties | : Not applicable. |
| Lower explosive limit (LEL) | : Not available |
| Upper explosive limit (UEL) | : Not available |
| Flash point | : /. |
| Auto-ignition temperature | : /. |
| Decomposition temperature | : /. |
| pH | : 8 @ 20°C |
| pH solution | : /. |
| Viscosity, kinematic | : 1 mm ² /s @ 20°C. |
| Viscosity, dynamic | : 1 mPa·s @ 20°C. |
| Solubility | : Water: Completely soluble |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : 2332 Pa @ 20°C. |
| Vapour pressure at 50°C | : Not available |
| Density | : 1.165 kg/l @ 20°C. |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not applicable. |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

| | |
|--|--------------|
| Relative evaporation rate (butylacetate=1) | : 0.3 @ 20°C |
| VOC content | : 0 % |

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability

Extremely high or low temperatures.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

10.5. Incompatible materials

Keep away from (strong) acids.

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 (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Additional information | : See Heading 3 (Information on ingredients). |

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| Spiroplus Mild Cleaner | |
|---|--|
| ATE CLP (oral) | > 2000 mg/kg |
| ATE CLP (dermal) | > 2000 mg/kg |
| Tetrasodiummethylenediamine tetraacetate (64-02-8) | |
| LD50 oral rat | 1780 mg/kg |
| LD50 dermal rabbit | ≥ 5000 mg/kg |
| LC50 Inhalation - Rat | 10 mg/l/4h |
| Triethanolamine (102-71-6) | |
| LD50 oral rat | > 2000 mg/kg |
| LD50 dermal rabbit | > 8200 mg/kg |
| Skin corrosion/irritation | : Not classified pH: 8 @ 20°C |
| Serious eye damage/irritation | : Causes serious eye damage. pH: 8 @ 20°C |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Tetrasodiummethylenediamine tetraacetate (64-02-8) | |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | : Not classified |
| Spiroplus Mild Cleaner | |
| Viscosity, kinematic | 1 mm ² /s @ 20°C. |
| 11.2. Information on other hazards | |
| No additional information available | |
| SECTION 12: Ecological information | |
| 12.1. Toxicity | |
| Ecology - general | : No data available. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |
| Tetrasodiummethylenediamine tetraacetate (64-02-8) | |
| LC50 - Fish [1] | 121 mg/l |
| EC50 - Crustacea [1] | 625 mg/l (24h) |
| EC50 96h - Algae [1] | > 100 mg/l |
| Triethanolamine (102-71-6) | |
| LC50 - Fish [1] | 11800 mg/l |
| EC50 - Crustacea [1] | 609.9 mg/l |
| EC50 72h - Algae [1] | 512 mg/l |

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12.2. Persistence and degradability

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| | |
|-------------------------------|--------------------|
| Persistence and degradability | No data available. |
|-------------------------------|--------------------|

Tetrasodiummethylenediamine tetraacetate (64-02-8)

| | |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

Sodium lauriminodipropionate (14960-06-6)

| | |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

Triethanolamine (102-71-6)

| | |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

12.3. Bioaccumulative potential

Spiroplus Mild Cleaner

| | |
|---------------------------|--------------------|
| Bioaccumulative potential | No data available. |
|---------------------------|--------------------|

12.4. Mobility in soil

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| | |
|------------------|--------------------|
| Mobility in soil | Completely soluble |
|------------------|--------------------|

| | |
|----------------|--------|
| Ecology - soil | WGK 2. |
|----------------|--------|

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|---|
| Regional waste regulation | : Dispose of in accordance with relevant local regulations. |
| Waste treatment methods | : In case the undiluted product is discharged accidentally, neutralize to pH 7. |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations. |

SECTION 14: Transport information

In accordance with ADR

14.1. UN number or ID number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated

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14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not regulated

14.4. Packing group

Packing group (ADR) : Not regulated

14.5. Environmental hazards

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Not regulated

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains substance(s) listed on the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items: Triethanolamine (102-71-6)

VOC Directive (2004/42)

VOC content : 0 %

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Netherlands

ABM category : A(4) - low hazard for aquatic organisms, may have longterm hazardous effects in aquatic environment

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

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SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

| Indication of changes | | | |
|-----------------------|--------------|--------|----------|
| Section | Changed item | Change | Comments |
| 8.2 | | | |
| 11 | | | |
| 16 | | | |

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| H302 | Harmful if swallowed. |
| H318 | Causes serious eye damage. |
| H332 | Harmful if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |

Safety Data Sheet (SDS), EU

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.