

Red Iron

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 16/03/2021 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : Red Iron
UFI : 6GDH-4W34-6T1S-JTC9
Type of product : Detergent

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
Use of the substance/mixture : Cleaning agent

1.2.2. Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

White Diamond
Lentedreef 14
België
T +32 486632580
www.white-diamond.be

1.4. Emergency telephone number

| Country | Official advisory body | Address | Emergency number | Remark |
|---------|---|--|------------------|--|
| Belgium | Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid | Rue Bruyn 1 B -1120 Bruxelles/Brussel | +32 70 245 245 | Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4 H302
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 1 H318
Skin sensitisation, Category 1 H317
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Causes serious eye damage. Causes skin irritation. May cause an allergic skin reaction.

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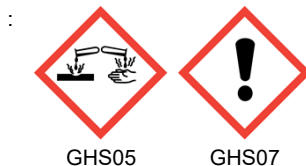
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2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

- : Danger
- : Sodium mercaptoacetate; Isotridecanol, ethoxylated
- : H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
- : P261 - Avoid breathing mist, vapours.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective clothing, protective gloves, eye protection.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, 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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | Conc. (% w/w) | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|------------------|--|
| Sodium mercaptoacetate | CAS-No.: 367-51-1 EC-No.: 206-696-4 REACH-no: 01-2119968564-24 | 10 – 20 | Met. Corr. 1, H290 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Skin Sens. 1, H317 |
| 2-butoxyethanol substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit | CAS-No.: 111-76-2 EC-No.: 203-905-0 EC Index-No.: 603-014-00-0 REACH-no: 01-2119475108-36 | 1 – 10 | Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315 |
| Isotridecanol, ethoxylated | CAS-No.: 9043-30-5 EC-No.: 500-027-2 | 1 – 10 | Eye Dam. 1, H318 |

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| Name | Product identifier | Conc. (% w/w) | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|------------------|---|
| Sulfonic acids, C14-17-sec-alkane, sodium salts | CAS-No.: 97489-15-1 EC-No.: 307-055-2 REACH-no: 01-2119489924-20 | 1 – 10 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | CAS-No.: 68891-38-3 EC-No.: 500-234-8 REACH-no: 01-2119488639-16 | 1 – 10 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |
| Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts | CAS-No.: 68439-57-6 EC-No.: 931-534-0 REACH-no: 01-2119513401-57 | 1 – 10 | Skin Irrit. 2, H315 Eye Dam. 1, H318 |

| Specific concentration limits | | |
|---|--|---|
| Name | Product identifier | Specific concentration limits |
| Sulfonic acids, C14-17-sec-alkane, sodium salts | CAS-No.: 97489-15-1 EC-No.: 307-055-2 REACH-no: 01-2119489924-20 | (10 <C < 100) Skin Irrit. 2, H315 (10 <C ≤ 15) Eye Irrit. 2, H319 (15 <C < 100) Eye Dam. 1, H318 (60 <C < 100) Acute Tox. 4 (Oral), H302 |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts | CAS-No.: 68891-38-3 EC-No.: 500-234-8 REACH-no: 01-2119488639-16 | (5 ≤C < 10) Eye Irrit. 2, H319 (10 ≤C < 100) Eye Dam. 1, H318 |
| Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts | CAS-No.: 68439-57-6 EC-No.: 931-534-0 REACH-no: 01-2119513401-57 | (5 ≤C < 100) Skin Irrit. 2, H315 (5 ≤C < 38) Eye Irrit. 2, H319 (38 ≤C < 100) Eye Dam. 1, H318 |

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth out with water. Do not induce vomiting. Give water to drink. Call a poison center or a doctor if you feel unwell. |

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

| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : May cause irritation to the digestive tract. |

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Presents no particular fire or explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapours, mist.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing vapours, mist.
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.
Incompatible products : Strong acids. Strong oxidation agent.
Heat and ignition sources : Keep away from heat and direct sunlight.

7.3. Specific end use(s)

No additional information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

| 2-butoxyethanol (111-76-2) | |
|--|--|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | 2-Butoxyethanol |
| IOEL TWA [ppm] | 20 ppm |
| IOEL STEL | 246 mg/m ³ |
| IOEL STEL [ppm] | 50 ppm |
| Notes | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| Belgium - Occupational Exposure Limits | |
| Local name | 2-Butoxyéthanol # 2-Butoxy-ethanol |
| OEL TWA | 98 mg/m ³ |
| OEL TWA [ppm] | 20 ppm |
| OEL STEL | 246 mg/m ³ |
| OEL STEL [ppm] | 50 ppm |
| Remark (BE) | D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht. |
| Regulatory reference | Koninklijk besluit/Arrêté royal 19/11/2020 |

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:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

protective clothing. Gloves. Protective goggles.

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Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. Standard EN 166 - Personal eye-protection - specifications

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. EN 340

Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

| Hand protection | | | | | |
|-----------------|---|-------------------|----------------|-------------|----------|
| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
| Gloves | Nitrile rubber (NBR), butyl rubber, Polyvinylchloride (PVC) | 6 (> 480 minutes) | >0.11 | | EN 374 |

8.2.2.3. Respiratory protection

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of inadequate ventilation wear respiratory protection. EN 143

| Respiratory protection | | | |
|------------------------|--|--|----------|
| Device | Filter type | Condition | Standard |
| Aerosol mask | Type A - High-boiling (>65 °C) organic compounds | Vapour protection, Protection for Liquid particles | EN 143 |

8.2.2.4. Thermal hazards

No additional information available.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------------------|-------------------|
| Physical state | : Liquid |
| Colour | : Off-white. |
| Odour | : characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not available |
| Boiling point | : > 35 °C |
| Flammability | : Not available |
| Explosive limits | : Not available |
| Lower explosive limit (LEL) | : Not available |
| Upper explosive limit (UEL) | : Not available |
| Flash point | : > 93 °C |
| Auto-ignition temperature | : Not available |

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| | |
|---|------------------|
| Decomposition temperature | : Not available |
| pH | : ≈ 7 |
| Viscosity, kinematic | : Not available |
| Solubility | : Not available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50 °C | : Not available |
| Density | : Not available |
| Relative density | : Not available |
| Relative vapour density at 20 °C | : Not available |
| Particle size | : Not applicable |
| Particle size distribution | : Not applicable |
| Particle shape | : Not applicable |
| Particle aspect ratio | : Not applicable |
| Particle aggregation state | : Not applicable |
| Particle agglomeration state | : Not applicable |
| Particle specific surface area | : Not applicable |
| Particle dustiness | : 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

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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat.

10.5. Incompatible materials

Strong acids. Strong oxidation agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

| | |
|-----------------------------|-------------------------|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Red Iron | |
|----------|--------------------------|
| ATE oral | 440,389 mg/kg bodyweight |

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| Sodium mercaptoacetate (367-51-1) | |
|--|------------------------------------|
| ATE oral | 100 mg/kg bodyweight |
| ATE dermal | 1100 mg/kg bodyweight |
| 2-butoxyethanol (111-76-2) | |
| LD50 oral | 1414 mg/kg bodyweight (Guinea pig) |
| ATE oral | 1414 mg/kg bodyweight |
| ATE dermal | 1100 mg/kg bodyweight |
| ATE gases | 4500 ppmv/4h |
| ATE vapours | 11 mg/l/4h |
| ATE dust/mist | 1,5 mg/l/4h |
| Sulfonic acids, C14-17-sec-alkane, sodium salts (97489-15-1) | |
| LD50 dermal | > 2000 mg/kg bodyweight |
| ATE oral | 500 mg/kg bodyweight |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3) | |
| LD50 oral rat | 2870 mg/kg bodyweight |
| LD50 dermal rat | > 2000 mg/kg bodyweight |
| ATE oral | 2870 mg/kg bodyweight |
| Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts (68439-57-6) | |
| LD50 oral rat | 2079 mg/kg bodyweight |
| LD50 dermal rabbit | 6300 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 52 mg/l/4h |
| ATE oral | 2079 mg/kg bodyweight |
| ATE dermal | 6300 mg/kg bodyweight |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Causes skin irritation. pH: ≈ 7 |
| Serious eye damage/irritation | : Causes serious eye damage. pH: ≈ 7 |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

11.2. Information on other hazards

No additional information available.

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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| Sodium mercaptoacetate (367-51-1) | |
|--|--|
| LC50 - Fish [1] | > 100 mg/l (OECD 203; Oncorhynchus mykiss) |
| EC50 - Crustacea [1] | 38 mg/l (OECD 202; Daphnia magna) |
| 2-butoxyethanol (111-76-2) | |
| LC50 - Fish [1] | 1474 mg/l (OECD 203; Oncorhynchus mykiss) |
| EC50 - Crustacea [1] | 1550 mg/l (OECD 202; Daphnia magna) |
| EC50 72h - Algae [1] | 911 mg/l (OECD 201; Pseudokirchneriella subcapitata) |
| NOEC chronic fish | > 100 mg/l (OECD 204; Danio rerio) |
| NOEC chronic crustacea | 100 mg/l (OECD 211; Daphnia magna) |
| NOEC chronic algae | 88 mg/l (OECD 201; Pseudokirchneriella subcapitata) |
| Sulfonic acids, C14-17-sec-alkane, sodium salts (97489-15-1) | |
| LC50 - Fish [1] | 5,5 mg/l (EU Method C.1; Leuciscus idus melanotus) |
| EC50 - Crustacea [1] | 9,2 mg/l (OECD 202; Daphnia magna) |
| EC50 72h - Algae [1] | > 61 mg/l (OECD 201; Desmodesmus subspicatus) |
| NOEC chronic fish | 0,85 mg/l (OECD 204; Oncorhynchus mykiss) |
| NOEC chronic crustacea | 0,36 mg/l (Daphnia magna) |
| Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3) | |
| LC50 - Fish [1] | 7,1 mg/l (OECD 203; Danio rerio) |
| EC50 - Crustacea [1] | 7,4 mg/l (OECD 202; Daphnia magna) |
| EC50 72h - Algae [1] | 27,7 mg/l (OECD 201; Desmodesmus subspicatus) |
| NOEC chronic fish | 0,14 mg/l (OECD 204; Oncorhynchus mykiss) |
| NOEC chronic crustacea | 0,27 mg/l (OECD 211; Daphnia magna) |
| NOEC chronic algae | 0,95 mg/l (OECD 201; Desmodesmus subspicatus) |
| Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts (68439-57-6) | |
| LC50 - Fish [1] | 4,2 mg/l (OECD 203; Danio rerio) |
| EC50 - Crustacea [1] | 4,53 mg/l (OECD 202; Ceriodaphnia sp.) |
| EC50 72h - Algae [1] | 5,2 mg/l (Skeletonema costatum) |
| NOEC chronic crustacea | 6,3 mg/l (OECD 211; Daphnia magna) |
| NOEC chronic algae | 3,2 mg/l (Skeletonema costatum) |

12.2. Persistence and degradability

| Red Iron | |
|-----------------------------------|------------------------|
| Persistence and degradability | Biodegradable. |
| Sodium mercaptoacetate (367-51-1) | |
| Persistence and degradability | Readily biodegradable. |
| 2-butoxyethanol (111-76-2) | |
| Persistence and degradability | Readily biodegradable. |

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Sulfonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts (68439-57-6)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

12.3. Bioaccumulative potential

Red Iron

| | |
|---------------------------|---------------------------------|
| Bioaccumulative potential | Not potentially bioaccumulable. |
|---------------------------|---------------------------------|

Sodium mercaptoacetate (367-51-1)

| | |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | -2,99 |
|---|-------|

2-butoxyethanol (111-76-2)

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 0,8 |
|---|-----|

Sulfonic acids, C14-17-sec-alkane, sodium salts (97489-15-1)

| | |
|---|-----------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0,2 (20 °C; pH 7-8.5) |
|---|-----------------------|

12.4. Mobility in soil

Red Iron

| | |
|----------------|--------------------------------|
| Ecology - soil | Product adsorbs onto the soil. |
|----------------|--------------------------------|

12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available.

12.7. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

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| ADR | IMDG | IATA | ADN | RID |
|---|---------------|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available. | | | | |

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail 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

| EU restriction list (REACH Annex XVII) | | |
|--|--|---|
| Reference code | Applicable on | Entry title or description |
| 3(b) | Red Iron ; Sodium mercaptoacetate ; 2-butoxyethanol ; Isotridecanol, ethoxylated | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |

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

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Detergent Regulation (648/2004/EC): Labelling of contents

| Component | % |
|-----------------------|--------|
| anionic surfactants | 15-30% |
| non-ionic surfactants | 5-15% |

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

Abbreviations and acronyms

| | |
|-------|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ATE | Acute Toxicity Estimate |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LD50 | Median lethal dose |
| PBT | Persistent Bioaccumulative Toxic |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| vPvB | Very Persistent and Very Bioaccumulative |

Data sources : according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

Other information : REACH Disclaimer:
This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements

| | |
|---------------------------|-------------------------------------|
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |

Red Iron

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| Full text of H- and EUH-statements | |
|------------------------------------|---|
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| H290 | May be corrosive to metals. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H412 | Harmful to aquatic life with long lasting effects. |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP] | | |
|--|------|--------------------|
| Acute Tox. 4 (Oral) | H302 | Calculation method |
| Skin Irrit. 2 | H315 | Calculation method |
| Eye Dam. 1 | H318 | Calculation method |
| Skin Sens. 1 | H317 | Calculation method |

Safety Data Sheet applicable for regions : BE - Belgium
The classification complies with : ATP 12

This Safety Data Sheet is compiled by: ChemPros B.V. | +31(0)797676006 | info@chemprosbv.nl