

Safety Data Sheet (SDS) Report

SDS number: SHJ1756968S1

Applicant: Suzhou FervorBlue Biological Technology Co., Ltd.
No.78, Keling Road, Suzhou New District, Suzhou City, Jiangsu Province,
P.R.China

Issue Date: 2024-11-14

Sample Description:

The sample information was submitted and identified on client's behalf to be:

Product Name : Hard Floor Cleaning Solution
Physical State : Liquid
Data Received : Nov 06, 2024
Data Reviewed : Nov 14, 2024

Service Requested:

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with the requirements of OSHA HazCom Standard (2012), for details please refer to attached pages.

Authorized By:

On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai



Anna Wang
Technical Manager

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Hard Floor Cleaning Solution

Safety Data Sheet

according to US HazCom 2012
Issue date: 11/14/2024 Revision date: 11/14/2024 Version: 1.0 SDS number: SHJ1756968S1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Hard Floor Cleaning Solution

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Lifts & removes stubborn grime.

1.3. Supplier

Suzhou FervorBlue Biological Technology Co., Ltd.
No.78, Keling Road, Suzhou New District, Suzhou City, Jiangsu Province, P.R.China
T: +86 19941882611
fbsupport@163.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labelling

No labelling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|---|--------------------|-----------|
| Water | CAS-No.: 7732-18-5 | 97 – < 99 |
| Poloxamer 184 | CAS-No.: 9003-11-6 | 0.1 – < 1 |
| Disodium EDTA | CAS-No.: 139-33-3 | 0.1 – < 1 |
| tetrasodium ethylene diamine tetraacetate | CAS-No.: 64-02-8 | 0.1 – < 1 |

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| Name | Product identifier | % |
|--|---------------------|---------------|
| Siloxanes and silicones, dimethyl, 3-hydroxypropyl methyl, ethoxylated | CAS-No.: 68937-54-2 | 0.1 – < 0.5 |
| Fragrance | Mixture | 0.03 – < 0.05 |
| 1,2-Benzisothiazol-3(2H)-one | CAS-No.: 2634-33-5 | 0.004 |

* The exact percentage (concentration) of composition has been withheld as a trade secret.

| Specific concentration limits: | | |
|--------------------------------|--------------------|---------------------------------------|
| Name | Product identifier | Specific concentration limits (%) |
| 1,2-Benzisothiazol-3(2H)-one | CAS-No.: 2634-33-5 | (0.036 ≤ C ≤ 100) Skin Sens. 1A; H317 |

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. Obtain medical attention if breathing difficulty persists. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. Seek medical attention if ill effect or irritation develops. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution. Seek medical attention if ill effect or irritation develops. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell. |

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

| | |
|--|---|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Thermal decomposition can lead to the release of irritating gases and vapours. |
|--|---|

5.3. Special protective equipment and precautions for fire-fighters

| | |
|---------------------------------------|--|
| 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. |
| Protective equipment for firefighters | : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate unnecessary personnel.

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment. Wear suitable protective clothing. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

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

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Collect spillage.

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

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". For disposal of residues refer to section 13: "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Handle in accordance with good industrial hygiene and safety procedures.

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. Store in a well-ventilated place. Keep cool.

Suitable packaging material : Plastic, e.g. HDPE, PET, PP, or glass.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

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8.3. Individual protection measures/Personal protective equipment

| |
|---|
| Hand protection: |
| Impermeable protective gloves. protective gloves |
| Eye protection: |
| Chemical goggles or safety glasses. Safety glasses |
| Skin and body protection: |
| Wear suitable protective clothing |
| Respiratory protection: |
| In case of insufficient ventilation, wear suitable respiratory equipment. Wear suitable respiratory equipment in case of insufficient ventilation |

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|------------------------------------|
| Physical state | : Liquid |
| Colour | : Colorless to light yellow liquid |
| Odour | : Fresh orange |
| Odour threshold | : No data available |
| pH | : 6-8 |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : >93.3°C |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability | : Not flammable. |
| Vapour pressure | : No data available |
| Relative vapour density at 20°C | : No data available |
| Density | : 0.95-1.05 g/cm ³ |
| Solubility | : Completely soluble in water |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive limits | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

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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

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

10.5. Incompatible materials

No additional information available

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 toxicological effects

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

Poloxamer 184 (9003-11-6)

| | |
|---------------|---------------------------|
| LD50 oral rat | 16 g/kg (Source: NLM_CIP) |
|---------------|---------------------------|

Disodium EDTA (139-33-3)

| | |
|---------------|---------------------------|
| LD50 oral rat | 2800 mg/kg (Source: Echa) |
|---------------|---------------------------|

tetrasodium ethylene diamine tetraacetate (64-02-8)

| | |
|---------------|------------------------------|
| LD50 oral rat | 1658 mg/kg (Source: NZ_CCID) |
|---------------|------------------------------|

1,2-Benzisothiazol-3(2H)-one (2634-33-5)

| | |
|-----------------|---------------------------------|
| LD50 oral rat | 490 mg/kg |
| LD50 dermal rat | > 2000 mg/kg (Source: ECHA_API) |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Not classified (Based on available data, the classification criteria are not met) |
| Serious eye damage/irritation | : Not classified (Based on available data, the classification criteria are not met) |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Reproductive toxicity | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) |
| Viscosity, kinematic | : No data available |
| Other information | : Likely routes of exposure: ingestion, inhalation, skin and eye. |

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SECTION 12: Ecological information

12.1. Toxicity

| Disodium EDTA (139-33-3) | |
|--|--|
| LC50 - Fish [1] | 320 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [semi-static] Source: IUCLID) |
| EC50 - Crustacea [1] | > 114 mg/l Test organisms (species): Daphnia magna |
| LOEC (chronic) | 50 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 25 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | ≥ 25.7 mg/l Test organisms (species): Duration: '35 d' |
| tetrasodium ethylene diamine tetraacetate (64-02-8) | |
| EC50 - Crustacea [1] | > 114 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [1] | 625 mg/l waterflea |
| LOEC (chronic) | 50 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | ≥ 25.7 mg/l Test organisms (species): Duration: '35 d' |
| 1,2-Benzisothiazol-3(2H)-one (2634-33-5) | |
| LC50 - Fish [1] | ≈ 16.7 mg/l Test organisms (species): Cyprinodon variegatus |
| EC50 - Other aquatic organisms [1] | 2.94 mg/l waterflea |
| LC50 - Fish [2] | 2.15 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [2] | 2.9 mg/l Test organisms (species): Daphnia magna |
| EC50 - Other aquatic organisms [2] | 0.11 mg/l |
| ErC50 algae | 0.22 mg/l |
| NOEC chronic algae | 0.0403 mg/l |

12.2. Persistence and degradability

| Hard Floor Cleaning Solution | |
|-------------------------------------|-------------------------------------|
| Persistence and degradability | No additional information available |

12.3. Bioaccumulative potential

| Disodium EDTA (139-33-3) | |
|--|---|
| Partition coefficient n-octanol/water (Log Pow) | -11.7 |
| tetrasodium ethylene diamine tetraacetate (64-02-8) | |
| Partition coefficient n-octanol/water (Log Pow) | -0.43 |
| Siloxanes and silicones, dimethyl, 3-hydroxypropyl methyl, ethoxylated (68937-54-2) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.49 Source: Quantitative Structure Activity Relation |
| 1,2-Benzisothiazol-3(2H)-one (2634-33-5) | |
| Partition coefficient n-octanol/water (Log Pow) | 0.99 (at 20 °C (at pH 5)) |

12.4. Mobility in soil

No additional information available

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12.5. Other adverse effects

Effect on the ozone layer : Not classified
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose of in a safe manner in accordance with local/national regulations.
Ecological waste information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|---|----------------|----------------|----------------|
| 14.1. UN number | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. Proper Shipping Name | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | |

14.6. Special precautions for user

DOT
Not regulated

TDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to US HazCom 2012

Revision date : 11/13/2024

Safety Data Sheet (SDS), USA

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.