

Date of issue: Jan/10/2023

Safety Data Sheet

Section 1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: Oxilink-SP

Product code (SDS NO): Oxilink_SP_US-1

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

Relevant identified uses of the product: Disinfectant/deodorant (cleaning agent)

Details of the supplier of the safety data sheet

Manufacturer/Supplier: Oxilink Co., Ltd.

Address: 11-6 Tenpozan-cho Kagoshima-city Kagoshima 890-0061 JAPAN

Telephone number: +81-99-256-0029

FAX: +81-99-256-0032

Emergency telephone number: +81-90-3016-6434

Section 2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

Classification according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)

HEALTH HAZARDS

Skin corrosion/irritation: Category 1

Serious eye damage/eye irritation: Category 1

ENVIRONMENT HAZARDS

Hazardous to the aquatic environment, short-term (acute): Category 1

(Note) GHS classification without description: Not classified/Classification not possible

Label elements

Labelling according to Hazard Communication Standard – 2012 (29 CFR 1910.1200)



Signal word: Danger

HAZARD STATEMENT

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H400 Very toxic to aquatic life

PRECAUTIONARY STATEMENT

Prevention

P273 Avoid release to the environment.

P260 Do not breathe mist/vapors/spray.

P264 Wash contaminated parts thoroughly after handling.

P280 Wear protective gloves, protective clothing or face protection.

P280 Wear eye protection/face protection.

Response

P391 Collect spillage.

P321 Specific treatment is required.

P310 Immediately call a POISON CENTER/doctor/physician.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P363 Wash contaminated clothing before reuse.

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

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/national regulation.

Section 3. Composition/information on ingredients

Mixture/Substance selection:

Mixture

Ingredient name	CAS No.	Content (%)
Water	7732-18-5	90 - 95
Calcium hypochlorite	7778-54-3	5 - 10
Sodium chloride	7647-14-5	1 - 5
Magnesium chloride	7786-30-3	0.1 - 1
Iron dichloride	7758-94-3	< 0.1
Calcium hydroxide	1305-62-0	< 0.1

Note : The figures shown above are not the specifications of the product.

Section 4. First-aid measures

Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor/physician if you feel unwell.

IF ON SKIN (or hair)

Take off immediately all contaminated clothing. Rinse skin with water or shower.

Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth. Do NOT induce vomiting.

Call a POISON CENTER/doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Specific information on symptom and effect are unknown.

Indication of any immediate medical attention and special treatment needed

Specific treatment is required.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

The product is non-flammable.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

Specific hazards arising from the substance or mixture

Fire may produce irritating, corrosive and/or toxic gases.

Advice for firefighters

Specific fire-fighting measures

- Evacuate non-essential personnel to safe area.
- Extinguish from the windward to the extent possible.

Special protective equipment and precautions for fire-fighters

- Wear protective gloves/protective clothing/eye protection/face protection.
- Firefighters should wear self-contained breathing apparatus with full face piece operated positive pressure mode.

Section 6. Accidental release measures

Personnel precautions, protective equipment and emergency procedures

- Keep unauthorized personnel away.
- Ventilate area until material pick up is complete.
- Wear proper protective equipment.
- Stand at upwind. Evacuate personnel at downwind.
- Stop leak if safe to do so.

Environmental precautions

- Prevent spills from entering sewers, watercourses or low areas.
- Do not wash away into sewers or waterway.

Methods and materials for containment and cleaning up

- Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.
- For large spill, dike for later disposal.
- Fill the disposal into labelled, closable containers.

Preventive measures for secondary accident

- Collect spillage.
- Wash contaminated surfaces with water.

Section 7. Handling and storage

Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

- Do not breathe mist/vapors/spray.

(Safety treatments)

- Avoid contact with skin.
- Avoid contact with eyes.

Safety Measures

- Use only outdoors or in a well-ventilated area.
- Wear protective gloves, protective clothing or face protection.
- Wear eye protection/face protection.
- Use personal protective equipment as required.

Any incompatibilities

- Acids, Strong oxidizing agents, Reducing agents, Combustibles, Ammonia and its salts should not be mixed with the chemicals.

Advice on general occupational hygiene

- Do not get in eyes, on skin, or on clothing.
- Wash contaminated parts thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wash contaminated clothing before reuse.
- Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Store in a well-ventilated place. Keep container tightly closed.

Keep cool. Protect from sunlight.

(Incompatible storage condition)

Keep out of reach of children.

Avoid high temperatures.

Container and packaging materials for safe handling

Keep only in original packaging.

Section 8. Exposure controls/personal protection

Control parameters

Adopted value

(Iron dichloride)

ACGIH(1990) TWA: 1mg-Fe/m³ (URT & skin irr)

(Calcium hydroxide)

ACGIH(1979) TWA: 5mg/m³ (Eye, URT & skin irr)

OSHA-PEL

(Calcium hydroxide)

TWA: 15mg/m³ (Total dust)

TWA: 5mg/m³ (Respirable fraction)

NIOSH-REL

(Calcium hydroxide)

TWA: 5mg/m³ (Total dust)

Exposure controls

Appropriate engineering controls

Washing facilities should be available.

Individual protection measures

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Wear protective gloves. Recommended material(s): impermeable or chemical resistant rubber

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid

Color: Pale yellow

Odor: Moderate chlorine odor

Odor threshold data is not available.

Melting point/Freezing point data is not available.

Boiling point or initial boiling point data is not available.

Boiling range data is not available.

Flammability (gases, liquids and solids): Non-flammable

Lower and upper explosion limit/flammability limit: Not applicable

Flash point: Non-flammable

Auto-ignition temperature: Not applicable

Decomposition temperature data is not available.

pH data is not available.

Kinematic viscosity data is not available.

Solubility:

Solubility in water: Miscible

Solubility in solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Density and/or relative density data is not available.

Relative vapor density (Air=1) data is not available.

Particle characteristics: Not applicable

Evaporation rate data is not available.

Section 10. Stability and Reactivity

Reactivity

Reactivity data is not available.

Chemical stability

Stable under normal storage/handling conditions.

Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

Conditions to avoid

Avoid high temperatures.

Incompatible materials

Acids, Strong oxidizing agents, Reducing agents, Combustibles, Ammonia and its salts

Hazardous decomposition products

Irritating gases and/or vapors

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity

Acute toxicity (Oral)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

[Table 3 of Annex VI to the CLP Regulations]

(Calcium hypochlorite)

Category 4

Acute toxicity (Dermal)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Acute toxicity (Inhalation)

[Product]

Classification not possible (Insufficient data available or no data available).

[Data for components of the product]

No data available.

Irritant properties

Skin corrosion/irritation

[Product]

Category 1, Causes severe skin burns and eye damage

[Data for components of the product]
[Table 3 of Annex VI to the CLP Regulations]
(Calcium hypochlorite)
Category 1B

Serious eye damage/irritation

[Product]
Category 1, Causes serious eye damage
[Data for components of the product]
No data available.

Sensitization

Respiratory sensitization

[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.

Skin sensitization

[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.

Germ cell mutagenicity

[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.

Carcinogenicity

[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.

Reproductive toxicity

[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.

Specific target organ toxicity (STOT)

STOT-single exposure

[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.

STOT-repeated exposure

[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.

Aspiration hazard

[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.

Section 12. Ecological Information

Toxicity

Aquatic toxicity

[Product]

Category 1, Very toxic to aquatic life

[Data for components of the product]

Hazardous to the aquatic environment, short-term (acute)

[Table 3 of Annex VI to the CLP Regulations]

(Calcium hypochlorite)

Category 1

Water solubility

(Calcium hypochlorite)

21 g/100 ml (25°C) (ICSC, 2005)

(Magnesium chloride)

54.3 g/100 ml (20°C) (ICSC, 2006)

(Iron dichloride)

good (62.5 g/100 ml, 20°C) (ICSC, 2009)

(Calcium hydroxide)

none (ICSC, 1997)

Persistence and degradability

Persistence and degradability data is not available.

Bioaccumulative potential

[Data for components of the product]

(Iron dichloride)

log Pow=-0.15 (ICSC, 2009)

Mobility in soil

Mobility in soil data is not available.

Other adverse effects

Ozone depleting chemical data is not available.

Section 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

Waste treatment methods

Avoid release to the environment.

Dispose of contents/container in accordance with local/national regulation.

Dispose to an authorized waste collection point.

This material must be disposed of as hazardous waste.

Do not dump into sewers, on the ground or into any body of water.

Contaminated packing

Dispose of container after using the contents completely.

Section 14. Transport Information

UN No., UN CLASS

UN Number or ID Number : 1791

UN Proper Shipping Name :

HYPOCHLORITE SOLUTION

Class or division (Transport hazard class) : 8

Packing group : III

ERG GUIDE No.: 154

Special provisions No.: 223

IMDG Code (International Maritime Dangerous Goods Regulations)

UN Number or ID Number : 1791

UN Proper Shipping Name :

HYPOCHLORITE SOLUTION

Class or division (Transport hazard class) : 8

Packing group : III

Special provisions No.: 223; 274; 900

IATA (Dangerous Goods Regulations)

UN Number or ID Number : 1791

UN Proper Shipping Name :

HYPOCHLORITE SOLUTION

Class or division (Transport hazard class) : 8

Hazard labels : Corrosive

Packing group : III

Special provisions No.: A3; A803

Environmental hazards

Marine pollutants (yes/no) : yes

Special precautions for user

Special precautions for user is not applicable.

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

This product is not intended to be carried in bulk.

Section 15. Regulatory Information

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

U.S. Toxic Substances Control Act (TSCA) Inventory

Chemicals listed in TSCA Inventory

1305-62-0; 7786-30-3; 7647-14-5; 7732-18-5; 7758-94-3; 7778-54-3

Superfund Amendments and Reauthorizations Act (SARA), Title III

This product contains no chemicals subjected to reporting levels established by SARA Title III, Section 313.

California proposition 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Other regulatory information

We are not able to check up the regulatory information with regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

Section 16. Other information**GHS classification and labelling**

Skin corrosion/irritation, Category 1: H314 Causes severe skin burns and eye damage

Serious eye damage/eye irritation, Category 1: H318 Causes serious eye damage

Hazardous to the aquatic environment, short-term (acute), Category 1: H400 Very toxic to aquatic life

References and sources for data

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN

IMDG Code, 2020 Edition (Incorporating Amendment 40-20)

IATA Dangerous Goods Regulations (62nd Edition) 2021

2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2022 TLVs and BEIs. (ACGIH)

Supplier's data/information

Hazard Communication Standard - 2012 (29 CFR 1910.1200)

GESTIS-Stoffdatenbank

Pub Chem (OPEN CHEMISTRY DATABASE)

General Disclaimer

The GHS classification data given here is based on current EU official data (Consolidated version of the CLP Regulation published in 1.3.2022 and Commission delegated regulation (EU) 2021/849 (ATP17)) & US Hazard Communication Standard – 2012.

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.