

Safety Data Sheet (SDS)

The content and format of this SDS is accordant with 29 CFR 1910.1200 (OSHA standard)

1. Identification of the substance/preparation and of the company/undertaking

Product details:

Product name: OXILINK-SP

Recommended use of the chemical and restrictions on use: Detergent. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

Manufacturer/Supplier: OXILINK JAPAN CO., LTD.

Address: 5-14-1 SHINSAKU TAKATU KU KAWASAKI SHI KANAGAWA KEN

Department: Sales Office: OXILINK CO., LTD.

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Further information obtainable from:

Information in case of emergency: +81-090-3016-6434 (OXILINK CO., LTD)

2. Hazards identification

GHS classification:

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 1B
	Serious eye damage/eye irritation	Category 1
	Skin sensitizer	Category 1
	STOT-single exposure	Category 2 (central nervous system)
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1

Signal Word: Danger

Symbol:



Hazard Statements:

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H371: May cause damage to organs (central nervous system).

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

P260: Do not breathe gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response Precautionary Statements:

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

P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310: Immediately call a POISON CENTER or doctor/physician.

P321: Specific treatment (Please see the specific measures for accident that included in the label, or go to hospital for treatment.)

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

P309 + P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P391: Collect spillage.

Storage precautionary statements:

P405: Store locked up.

Disposal precautionary statements:

P501: Dispose of contents/ container to an approved waste disposal plant. (Minimize the hazard of waste by the methods of neutralization and stabilization.)

3. Composition/information on ingredients

Product description: substance (); preparation/mixture (√)

Ingredient (s)	CAS No.	EC No.	% by weight
Deionized water	7732-18-5	231-791-2	87.70%
Calcium hypochlorite	7778-54-3	231-908-7	9.96%
Sodium chloride	7647-14-5	231-598-3	1.84%
Magnesium chloride	7786-30-3	232-094-6	0.39%
Calcium hydroxide	1305-62-0	215-137-3	0.05%
Iron dichloride	7758-94-3	231-843-4	0.06%

4. First aid measures

Persons using this product should consult a physician or other medical professional if an accident involving this product results in injury. Specific first-aid measures are as follows:

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.

Eyes Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion: Rinse mouth. Do not induce vomiting without professional instruction. Get medical attention immediately if discomfort occurs.

Acute effect and delayed effect: Acute effect: Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. May cause damage to organs (central nervous system). Delayed effect: Not found.

Personal protective equipment: Wear protective gloves/protective clothing/eye protection/face protection when necessary.

Indication of immediate medical attention and treatment needed, if necessary: Treat according to symptoms and exposure dose.

5. Fire-fighting measures

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical.

Unsuitable Extinguishing Media: High volume water jet. Discharging cylinder shape water from fire hose may lead to spread fire to the surroundings.

Special hazards arising from the chemical: It may release smoke, carbon monoxide, carbon dioxide and other hazardous gas from thermal decomposition.

Fire Fighting Method:

It is effective to use CO₂, chemical powder and foam to shut off air supply.

Extinguish fire from upwind and cool down containers by water spray.

Remove containers from fire area if it can be done without risk.

Deny unnecessary entry to the place around the fire.

Proper grounding procedures to avoid static electricity should be followed.

Special actions for fire-fighters: Firefighters must wear self-contained breathing apparatus and full protective equipment. Wear impermeable gloves when skin protection.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental precautions: Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

Methods and material for containment and cleaning up:

Wipe the spillage with dry sand or non-combustible materials and stop the the leakage.

Absorb the spillage with inert materials and collect into an appropriate container.

For large amount of leakage, prevent the outflow by embankments.

Flush the contaminated floor with clean water.

Precautionary measures for secondary hazard: Prevent leakage from flowing into enclosed space (e.g. drain, sewer, basement, etc.).

7. Handling and storage

Precautions for safe handling:

- Do not breathe gas/mist/vapours/spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed. Store tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible substances or mixtures: No relevant information.

Packing material: Plastic container.

8. Exposure controls/personal protection

Occupational Exposure Limits:

Ingredients	OSHA PEL-TWA	ACGIH TLV-TWA
Calcium hydroxide (CAS: 1305-62-0)	Total dust: 15 mg/m ³ Respirable fraction: 5 mg/m ³	Total dust: 5 mg/m ³ Respirable fraction: 2 mg/m ³

Engineering Controls:

- Use this product only in closed systems fully or with local exhaust ventilation.
- Install washer eyes and safety showers near to the handling and storage area.
- Shows the location of these facilities, with a clear and prominent warning board.

Personal Protective Equipment (for workers):

Protection of Hands:

Wear impermeable rubber gloves. (e.g. Rubber gloves)



Protection of Eyes:

Wear safety glasses when liquid may splash.



Respiratory Protection:

Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms occur.



Protection of Body:

Recommend wearing protective clothing, impermeable gloves and protective boots.



.General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale vapour generated from processing.

Avoid contact with eyes and skin.

9. Physical and chemical properties

General Information	
Form	Liquid
Color	Light yellow
Odor	Slight chlorine like odor
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas, etc.)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility (ies)	No data available
Partition coefficient: n-octanol/Water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

10. Stability and reactivity

Reactivity and Chemical stability: This product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions: No relevant information.

Conditions to Avoid: Long time exposure to direct sunlight or heat.

Incompatible materials: No relevant information.

Hazardous decomposition products: It may release smoke, carbon monoxide, carbon dioxide and other hazardous gas from thermal decomposition.

11. Toxicological information

Product Toxicity Data:

Ingredient (s)	CAS No.	LD ₅₀ /LC ₅₀ (Median lethal dose)
Calcium hypochlorite	7778-54-3	Acute toxicity (Oral) LD ₅₀ : 790 mg/kg (rat) Data source: NITE-CHRIP Acute toxicity (Dermal) LD ₅₀ >2,000mg/kg (rabbit) Data source: NITE-CHRIP
Sodium chloride	7647-14-5	Acute toxicity (Oral) LD ₅₀ : 3,550 mg/kg (rat) Data source: ECHA Acute toxicity (Dermal) LD ₅₀ >10,000mg/kg (rabbit) Data source: ECHA
Magnesium chloride	7786-30-3	Acute toxicity (Oral) LD ₅₀ >5,000 mg/kg (rat) Data source: ECHA Acute toxicity (Dermal) LD ₅₀ >2,000mg/kg (rat) Data source: ECHA
Calcium hydroxide	1305-62-0	Acute toxicity (Oral) LD ₅₀ : 7,340 mg/kg (rat) Data source: ECHA
Iron dichloride	7758-94-3	Acute toxicity (Oral) LD ₅₀ : 1,300 mg/kg (rat) Data source: ECHA Acute toxicity (Dermal) LD ₅₀ >2,000mg/kg (rat) Data source: ECHA
Classification of the whole product:		Not classified.

Skin corrosion/irritation

Calcium hypochlorite (CAS: 7778-54-3): Category 1B (Data source: NITE-CHRIP, CLP: Skin Corr. 1B; H314: C ≥ 5 %)

Calcium hydroxide (CAS: 1305-62-0): Category 2 (Data source: NITE-CHRIP)

Classification of the whole product: 1B

Serious eye damage/eye irritation

Calcium hypochlorite (CAS: 7778-54-3): Category 1 (Data source: NITE-CHRIP, CLP: Eye Dam. 1; H318: 3 % ≤ C < 5 %)

Calcium hydroxide (CAS: 1305-62-0): Category 1 (Data source: NITE-CHRIP)

Iron dichloride (CAS: 7758-94-3): Category 1 (Data source: ECHA)

Classification of the whole product: Category 1

Respiratory sensitizer	No classification for this product.
Skin sensitizer	Calcium hypochlorite (CAS: 7778-54-3): Category 1 (Data source: NITE-CHRIP) Iron dichloride (CAS: 7758-94-3): Category 1 (Data source: ECHA) Classification of the whole product: Category 1
Germ cell mutagenicity	No classification for this product.
Carcinogenicity	No classification for this product.
Reproductive Toxicity	No classification for this product.
STOT-single exposure	Calcium hypochlorite (CAS: 7778-54-3): Category 2 (central nervous system) (Data source: NITE-CHRIP) Calcium hydroxide (CAS: 1305-62-0): Category 1 (respiratory system) (central nervous system) (Data source: NITE-CHRIP) Classification of the whole product: Category 2 (central nervous system)
STOT-repeated exposure	No classification for this product.
Aspiration hazard	No classification for this product.

12. Ecological information

Ecotoxicity:

Calcium hypochlorite (CAS: 7778-54-3):

48h-LC₅₀: 0.005-0.006mg/L, fish (NITE-CHRIP)

133d- NOEC: 0.005 mg/L fish (NITE-CHRIP)

Sodium chloride (CAS: 7647-14-5):

96h-LC₅₀: 5,840mg/L, fish (ECHA)

33d- NOEC: 252 mg/L, fish (ECHA)

120h-EC₅₀: 2,430mg/L, Algae (ECHA)

Magnesium chloride (CAS: 7786-30-3):

96h-LC₅₀: 541mg/L, fish (ECHA)

72h-EC₅₀ > 100mg/L, Algae (ECHA)

Calcium hydroxide (CAS: 1305-62-0):

96h-LC₅₀: 50.6mg/L, fish (ECHA)

72h-EC₅₀: 184.57mg/L, Algae (ECHA)

Classification of the whole product: Hazardous to the aquatic environment, acute hazard- Category 1. Hazardous to the aquatic environment, long-term hazard - Category 1.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other adverse effects: No relevant information.

13. Disposal considerations

Waste treatment methods:

It is recommended to use incineration method to dispose of waste.

Any disposal practice must be in compliance with country, local, state, and federal laws and regulations.

After contents are completely removed, dispose of its container at hazardous or special waste collection point.

Paste a label on the container indicating the possible hazards of the waste.

14. Transport Information

DOT/Air-Transportation- IATA/ICAO/Sea-Transportation-IMO/IMDG:

Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (containing calcium hypochlorite)

Hazard Class: 8

UN Code: 1760

Packing Group: II

Packing Group Symbol:



Marine Pollutant (Yes/No): Yes.

EMS NO.: F-A, S-B

Note:

Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

15. Regulatory information

.United States:

Section 355 (extremely hazardous substances): Not listed.

SARA 313: Not listed.

Clean Water Act:

Chemical Name	CWA - Reportable Quantities	CWA - Hazardous Substances	CWA - Priority Pollutants	CWA - Toxic Pollutants
Calcium hypochlorite (CAS: 7778-54-3)	4.54kg	Listed	Not available	Not available

Carcinogenicity categories:

Chemical Name	ACGIH	IARC	NTP	OSHA
Not applicable	Not available	Not available	Not available	Not available

Toxic Substances Control Act (TSCA): All ingredients are listed in the U.S. Toxic Substances Control Act Chemical Substance Inventory List.

.Other relevant laws and regulations:

Canada Domestic Substances List (DSL): All ingredients are listed in the Canada DSL.

Canada Non-domestic Substance List (NDSL): Not listed.

Candidate List of Substances of very high concern (SVHC) according to ECHA: Not listed.

REACH Regulation Annex XVII Regulation List: Not listed.

REACH Regulation Annex XIV Authorization List: Not listed.

Germany – WGK: WGK-2.

(EC) 1272/2008 Annex VI Table 3.1:

Ingredient(s)	EC No. 1272/2008 Classification	
	CLASS. CODE	HAZARD CODE
Calcium hypochlorite (CAS: 7778-54-3)	Ox. Sol. 2	H272
	Acute Tox. 4 *	H302
	Skin Corr. 1B	H314
	Aquatic Acute 1	H400

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

DISCLAIMER: This SDS is provided as reference information to ensure safe handling for persons dealing with hazardous chemical products. Although the content of this SDS is prepared based on the product information and data available at the present time, it does not guarantee the accuracy of the information and the safety of relevant persons. Also, the precautionary measures are for ordinary handling, but for special handling, suitable measures should be taken for new usage. For all chemicals, there are unknown hazards, so they all must be handled carefully. Regarding the proper use of this product, the user should take full responsibility of it.

References:

- GHS Annex II
- GHS SDS Instruction
- ANSI Z400.1/Z129.1-2010
- OSHA Hazard Communication Standard (HCS) 2012

Full description of some acronyms:

- CAS-Chemical Abstracts Service**
- EINECS-European Inventory of Existing Commercial Chemical Substances**
- IMO-International Maritime Organization**
- IMDG-International Maritime Dangerous Goods**
- IATA-International Air Transport Association**
- ICAO-International Civil Aviation Organization**
- TSCA-Toxic Substance Control Act**
- OSHA-Occupational Safety and Health Administration**
- ACGIH- American Conference of Governmental Industrial Hygienists**

HSDB- National Library of Medicine (NLM) Toxicology Data Network (TOXNET) Hazardous Substances Data Bank

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*****The End*****