

SAFETY DATA SHEET

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : CL-Fungus Cleaner
 Recommended of use : Aqueous cleaning agent for fungi and mold on mineral substrate
 Supplier : CLP Construction Systems Sdn. Bhd.
 Lot 9, Jalan Sultan Mohamed 4, Selat Klang Utara,
 42000 Port Klang, Selangor Darul Ehsan, Malaysia.
 Tel: 603-3176 5099 ext: 224

SECTION 2 : HAZARD IDENTIFICATION

GHS CLASSIFICATION:

Physical Hazard: -

Not classified

Health Hazard: -

Acute Toxicity-oral : Category 4
 Skin Corrosion / irritation : Category 1
 Serious eye damage / irritation : Category 1
 Skin sensitizer : Category 1

Environmental Hazards: -

Acute hazards to the aquatic environment : Category 1
 Chronic hazards to the aquatic environment : Category 2

GHS LABEL ELEMENT:

Pictograms:



Signal Word : DANGER

GHS HAZARD STATEMENTS:

Health hazards: -

H302: Harmful if swallowed.
 H314: Causes severe skin burns and eye damage.
 H317: May cause an allergic skin reaction.
 H318: Causes serious eye damage.

Environmental Hazards: -

H400: Very toxic to aquatic life
 H411: Toxic to aquatic life with long lasting effects

GHS PRECAUTIONARY STATEMENTS:

Prevention

P260: Do not breathing 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

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 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.
 P333+P313: If skin irritation or rash occurs: Get medical advice/ attention.
 P363: Wash contaminated clothing before re-use.

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

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

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

P321: Specific treatment (see First Aid Measures on Safety Data Sheet)

Storage:

P405: Store locked up

Disposal:

P501: Dispose of contents and container to appropriate waste site in accordance with local and national regulations.

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENT

Chemical characterization: Mixtures

Classification of hazardous components according to GHS

Chemical Name	CAS No.	Composition
Sodium hydroxide	1310-73-2	5 - 9%
Sodium hypochlorite	7681-52-9	5 – 9%
Carbonic acid sodium salt	497-19-8	1 - 5%
Organic surfactant	-	1 – 3%

SECTION 4 : FIRST AID MEASURES

INHALATION:

Remove victim from area of exposure – avoid becoming a casualty. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

SKIN CONTACT:

If silt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water.

EYE CONTACT:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes. Continue to wash with large amounts of water until medical help is available.

INGESTION:

Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

Indication of Immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media :

Not combustible. However, if material is involved in a fire, use: fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder)

Protective Equipment :

Decompose on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Avoid the spilled or leaked solution to contact body. Clean up personnel must wear protective equipment to prevent skin and eye contact. Contain the spill and pick up if possible for recovery or disposal. If contamination of sewers or waterways has occurred advise local emergency services.

SECTION 7 : HANDLING AND STORAGE

Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities:

Store in ambient temperature place. Store away from incompatible materials described in Section 10. Store away from foodstuffs. Store away from acids. Keep containers closed with not in use – check regularly for leaks.

SECTION 8 : EXPOSURE CONTROL AND PERSONAL PROTECTION

The exposure limit for this mixture is not tested. The data for the ingredients are listed as below:

Occupational Exposure Limits

Sodium hydroxide = 2mg/m³ (STEL)

Sodium hypochlorite 10-13% = 2ppm (STEL)

Carbonic acid sodium salt = 10mg/m³ (TWA)

Engineering Control:

Ensure ventilation is adequate and the air concentrations of components are controlled below quoted Workplace Exposure Standards. If inhalation risk exists, use with local exhaust ventilation or while wearing suitable mist respirator. Keep containers closed when not in use.

Respiratory Protection :

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate filter suitable for inorganic gases and vapours.

Hand Protection:

Where hand contact with the product may occur, the use of gloves approved to relevant standards made with materials to provide suitable chemical protection. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

Eye Protection:

Chemical resistance goggles. Do not wear contact lens.

Body Protection:

Use protective clothing or apron which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear to cloudy liquid
Odor	:	Mild
Water Solubility	:	Miscible with water
pH	:	14
Boiling Point	:	> 100°C
Melting Point	:	Not applicable
Flash Point	:	Not applicable
Explosion / Flammability Limit in Air	:	Not applicable
Auto-ignition Temperature	:	Not applicable
Vapour Pressure	:	Data not available
Specific Gravity	:	1.10
Decomposition Temperature	:	Not applicable
Dynamic Viscosity	:	Approx. 10 sec
Kinetic Viscosity	:	Data not available
Vapour Density (Air=1)	:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Chemical stability : Stable under normal conditions of use.

Conditions to avoid : Avoid exposure to incompatible chemicals such as acid materials.

Incompatible materials : Incompatible with acids, metals, metal salts, peroxides, oxidising agents, reducing agents, ammonia and ammonia compounds such as amines and ammonium salts.

Hazardous Decomposition Products: Chlorine, carbon dioxide.

Hazardous Polymerisation: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and over exposure occurs are:

Acute Toxicity Estimate:

Oral LD50 (rat) : >200mg/kg

Ingestion:

Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

Inhalation:

Breathing in mists or vapour will produce respiratory irritation.

Skin contact:

Corrosive to skin – may cause skin burns. Cause skin sensitization.

Eye contact:

A severe eye irritant and cause serious eye damage. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury or even can cause blindness.

SECTION 12 : ECOLOGICAL INFORMATION

Mobility in soil :	No data available
Bioaccumulation:	Not applicable (inorganic compound)
Biodegradability:	Not applicable (inorganic compound)
Ecotoxicity :	Very toxic to aquatic life.

SECTION 13: DISPOSAL INFORMATION

Dispose of material through a licensed waste contractor. Do not dispose into the environment, in drains, or in water courses. Waste product should not be allowed to contaminate soil or water. Decontamination and destruction of containers should be considered.

SECTION 14 : TRANSPORT INFORMATION

Proper shipping name	: CL-Fungus Cleaner, contains sodium hydroxide (concentration <9%)
Class	: 8
Packing group	: III
UN No.	: 1824
Hazchem Code	: 2R

SECTION 15 : REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Local Regulations

- Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulation 2013 (CLASS Regulations)
- Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulation 2000
- Environmental Quality Act 1974, Environmental Quality (Scheduled Wastes) Regulations 2005

SECTION 16 : OTHER INFORMATION

Date of Preparation : 30th April 2021

Revision Number : 1

Source of data : SDS of Material from Manufacturers

Additional Information : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product. For further information, contact **CLP Construction Systems Sdn. Bhd.**

Details of Changes from Previous SDS: -

Section	Details of Changes
2	i.) Classification: Insert Acu. tox. (oral)- Cat.4 & Skin sensitizer-Cat. 1; Change Skin corr./irr. Cat. 1A to Cat. 1 & Chr. haz to aquatic environ from Cat. 1 to Cat. 2 ii.) Hazard statement: Insert H302, H317 & H411; Remove H301 & H410. iii.) Precautionary statement: Insert P270, P272, P301+P310, P333+P313; Remove P391.
3	Amendment on the hazardous components, Remove hazard statement
8	Amendment on the exposure limit
11	Amendment on toxicological information