SAFETY DATA SHEET

DRAIN CLOG DIGESTOR

Infosafe No.: CI0AR
ISSUED Date : 13/11/2023 ISSUED by:
Eco Green Solutions Pty Ltd

Section 1 - Identification

Product Identifier
DRAIN CLOG DIGESTOR

Product Code
0010411

Company Name
Eco Green Solutions Pty Ltd ABN 16 638 610 723

Address
PO Box 415
Gymea NSW 2227
AUSTRALIA

Telephone/Fax Number
Tel: 1800 573 475

Emergency Phone Number
13 11 26 in Australia (AH)

Recommended use of the chemical and restrictions on use
Thickened chlorinated drain clog remover.

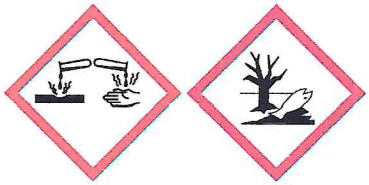
Sec on 2 - Hazard(s) Identification

GHS classification of the substance/mixture
Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Corrosive to metals: Category 1
Eye damage/irritation: Category 1
Hazardous to the Aquatic Environment - Acute Hazard: Category 2
Skin corrosion/irritation: Category 1C

Signal Word (s)
DANGER

Hazard Statement (s)
AUH031 Contact with acids liberates toxic gas.
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Pictogram (s)
Corrosion,Environment



Precautionary Statement – Prevention
P234 Keep only in original packaging.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash hands and skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear eye protection/face protection.

Precautionary Statement – Response
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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/doctor.
P390 Absorb spillage to prevent material damage.
P391 Collect spillage.

Precautionary Statement – Storage
P405 Store locked up.
P406 Store in a corrosion resistant/approved container with a resistant inner liner.

Precautionary Statement – Disposal
P501 Dispose of contents/container to an approved waste disposal plant.

Precautionary Statement – General
P102 Keep out of reach of children.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
Sodium Hypochiorite	7681- 52- 9	2- 5 %
sodium hydroxide	1310- 73- 2	<2 %
Lauryl dimethyl amine oxide	1643- 20- 5	<2 %
Other ingredients determined not to be hazardous	Not required	-

Section 4 - First Aid Measures

Inhalation
If inhaled, remove affected person from contaminated area. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion
Do not induce vomiting. Wash out mouth thoroughly with water. If vomiting occurs, give further water to achieve effective dilution. Seek immediate medical attention.

Skin
Wash skin with plenty of water. Ensure contaminated clothing is washed before re-use or discard. Seek medical attention if burning, irritation or redness develops.

Eye
If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

First Aid Facilities
Eyewash, safety shower and normal washroom facilities.

Advice to Doctor
Treat symptomatically.

Other Information
For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

Section 5 - Firefighting Measures

Fire Fighting Measures

Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self contained breathing apparatus if risk of exposure to products of combustion or decomposition.

Suitable Extinguishing Media
Use carbon dioxide, water fog or fine water spray.

Hazards from Combustion Products
Non combustible material however if involved in a fire will emit toxic fumes.

Specific hazards arising from the chemical
This product is non combustible.

Hazchem Code
2X

Section 6 - Accidental Release Measures

Spills & Disposal
Minor spills do not normally need any special clean up measures. In the event of a large spill, prevent spillage from entering watercourses. Wear appropriate protective equipment (as listed in Section 8 of this SDS) to prevent eye and skin contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material to be collected in appropriately labelled containers for dispoasl by an approved agaent according to local regulations. Residual deposits will remain slippery, wash down with excess water. If required, neutralise with sodium metabisulphite or sodium thiosulphate. If contamination of drains or sewers occurs advise local emergency services.

Clean-up Methods - Large Spillages
For large spills or tank rupture, consider initial evacuation to a distance of 100m in all directions. Stop leak if safe to do so. If available use water spray to disperse vapours. Wear appropriate PPE as listed in Section 8 of this SDS to prevent skin and eye contamination. Notify local environmental protection authority.

Section 7 - Handling and Storage

Precautions for Safe Handling
Avoid contact with incompatible materials. When handling DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.

Conditions for safe storage, including any incompatibilities
Store in a cool dry well-ventilated area. Do not store in aluminium or light alloy containers. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values
No Exposure Limit Established

Engineering Controls
This substance is hazardous and should be used in a well ventillated area. If the engineering controls are not sufficient to maintain concentrations of dust below the exposure standards, suitable respiratory protection must be worn.

Respiratory Protection
Not required for normal cleaning operations with adequate ventillation. Where high contaminant spray mist or vapour levels exist, the following additional equipment is required: For short, elevated exposures eg. spillages - Appropriate organic vapour cartridge respirator as per the requirements of AS/NZ 1715 & AS/NZ 1716.
For prolonged exposure and confined spaces - full face, air supplied or self contained breathing apparatus.

Eye and Face Protection
The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting etc.

Hand Protection
Wear gloves. Overalls, work boots & elbow length gloves are recommended for handling the concentrated product in quantity, cleaning up spills, decanting etc.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description

Form	Liquid	**Appearance**	Straw coloured liquid
Odour	Chlorine	**Freezing Point**	Approx 0°C
Boiling Point	100°C	**Solubility in Water**	Miscible in all proportions.
Specific Gravity	1.0 - 1.1 (25°C)	**pH**	>12 (neat)
Vapour Pressure	Not available	**Volatile Component**	Ca 90% v/v
Flash Point	Not flammable		

Section 10 - Stability and Reactivity

Chemical Stability
Stable under normal conditions of storage and handling.

Conditions to Avoid
ACIDS; violent reaction can occur yeilding heat and pressure which can burst an enclosed container. Attacks many reactive metals (aluminium, magnesium, zinc alloys) releasing flammable gas (hydrogen) which then generates fire or explosion hazards. Reacts slowly with ambient air (particularly carbon dioxide) which may cause certain insoluble salts to form in solutions.

Incompatible Materials
Amines, ammonium salts, aziridine, methanol & phenylacetonitrile. Reacts with metal salts, peroxides & reducing agents. Reacts violently with acids.

Hazardous Decomposition Products
Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours. Reacts vigorously with acids producing dangerous levels of gaseous chlorine.

Hazardous Polymerization
Not available.

Section 11 - Toxicological Information

Toxicology Information
No adverse health effects expected if the product is used in accordance with this Safety Data Sheet and product label.

Acute Toxicity - Oral
ATE - Oral (mg/kg) - 2,000.

Ingestion
Harmful if swallowed. Ingestion of this product may cause nausea, vomiting of blood and eroded tissue, chemical burns of the throat, mouth and abdomen.

Inhalation
May cause severe bronchial irritation and pulmonary edema.

Skin
Corrosive to skin. May cause burns. Severity depends on the concentration and duration of exposure.

Eye
Severe irritant/corrosive to eyes. Contact can cause corneal burns. Repeat overexposure may lead to chronic conjunctivitis.

Chronic Effects
Repeated overexposure may lead to increased susceptibility to respiratory illness. Prolonged and repeated skin contact with diluted solutions may induce eczematoid dermatitis.

Section 12 - Ecological Information

Ecotoxicity
Harmful to aquatic life.

Persistence and degradability
Individual components stated to be biodegradable.

Mobility
Product miscible in all proportions with water. Do not discharge bulk quantities into drains, sewers or waterways.

Environmental Protection
Prevent large amounts from entering waterways, drains and sewers.

Acute Toxicity - Fish
LC50: 0.8 - 2.0 mg/L (neat)

LC50L 75.3-197.0 mg/L (1% dilution)

Section 13 - Disposal Considerations

Disposal Considerations
Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

Section 14 - Transport Information

Transport Information
This material is a Class 8 - Corrosive and subsidiary Class 3 - Flammable Liquid Dangerous Good according to the Australian Code for the Transport of Dangerous Goods. It is incompatible in a placard load with any of the following:
- Class 1, Explosives,
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk,
- Class 2.3, Toxic Gases,
- Class 4.2 Spontaneously Combustible Substances,
- Class 4.3, Dangerous When Wet Substances,
- Class 5.1, Oxidising Agents & Class 5.2 - Organic Peroxides,
- Class 6, Toxic Substances (where the Toxic substances are cyanides and the corrosives are acids),
- Class 7, Radioactive Substances,
- Class 8, Corrosive Substances (concentrated strong acid is to be segragated from concentrated strong alkali),

and is incompatible with food and food packaging in any quantity.

ADG U.N. Number
3266

ADG Proper Shipping Name
CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.(sodium hypochlorite, sodium hydroxide)

ADG Transport Hazard Class
8

ADG Packing Group
III

Hazchem Code
2X

IERG Number
37

Section 15 - Regulatory Information

Regulatory Information
Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia.

Poisons Schedule
S5

Section 16 - Any Other Relevant Information

Date of Preparation
SDS created: November 2023

Literature References
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Workplace exposure standards for airborne contaminants.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of classification and labelling of chemicals.

Other Information

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed. Never return any unused material to original drum.
The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writers knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF SDS