Safety Data Sheet

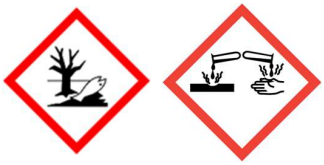
Securedet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

Product Name	**Securedet**
Recommended Uses	Cleaner/sanitiser
Supplier	Hygiene Technologies Ltd
Street address	28 Rangitane Road Hastings
Telephone Number	(06) 876 4111
Facsimile	(06) 878 3802
Emergency Telephone	NZ Fire Service - 111 National Poisons Centre – 0800 764 766 (0800 POISON)

2. HAZARDS IDENTIFICATION

Dangerous Goods	This product is classified as a Dangerous Good according to NZS 5433:2020 Transport of Dangerous Goods on Land
Hazardous Substances	Classified as hazardous according to criteria in GHS 7.
GHS	Skin corrosion – Category 1B Eye damage – Category 1 Aquatic Acute – Category 1



SIGNAL WORD	**DANGER**
Pictograms	Corrosion, Environmental
Group Standard 2020	HSR002526
Hazard Statements	H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H400 Very toxic to aquatic life
Precautionary Statements	
Prevention	P260 Do not breathe dusts or mists. P264 Wash hands, face and all exposed skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves, clothing, and eye protection.
Response	P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P363 Wash contaminated clothing before reuse. P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTRE or doctor. P321 Specific treatment (see Section 4 of this SDS). P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P391 Collect spillage.
Storage	P405 Store locked up.
Disposal	P501 Dispose of contents/container in accordance with local, regional, national and international regulations.
General	P102 Keep out of reach of children. P103 Read carefully and follow all instruction.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Proportion
1-Dodecanamine, N,N-dimethyl-, N-oxide	1643-20-5	1 - 10% (w/w)
Benzalkonium chloride	8001-54-5	1 - 10% (w/w)
Cocodiethanolamide	68603-42-9	1 - 10% (w/w)
Alcohols, C9-11, ethoxylated	68439-46-3	1 – 10% (w/w)
Ingredients classified as non-hazardous at the concentrations used.	-	Balance

4. FIRST AID MEASURES

For advice, contact National Poisons Information Centre (Phone 0800 764 766) or a doctor If medical advice is needed, have product container or label at hand.

Swallowed Do NOT induce vomiting. Rinse mouth with water. Give water to drink to achieve dilution. Never give anything by mouth to an unconscious person. If vomiting occurs, give further waters. Immediately call a POISON CENTRE or doctor.

Eye Contact If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Urgently seek medical assistance. Transport to hospital or medical centre.

Skin Contact If skin or hair irritation occurs, remove all contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medial assistance.

Inhaled Remove to fresh air and keep at rest in a position comfortable for breathing. Keep at rest until fully recovered. Seek medical attention if effects persist.

Refer to National Poisons and Hazardous Chemicals Information Centre 0800 764 766.

5. FIRE-FIGHTING MEASURES

Specific Hazard Non-combustible material

Suitable Extinguishing Media If material is involved in a fire, use water fog (or in unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Fire/Explosion Hazards Non-combustible, however following evaporation of aqueous component, residual material can burn if ignited. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus (SCBA) and suitable protective clothing if risk of exposure to products of decomposition.

Hazchem Code 2X

6. ACCIDENTAL RELEASE MEASURES

Avoid walking through spilled product as it may be slippery. Stop leak if safe to do so. Do NOT let product reach drains or waterways. If contamination of sewers or waterways has occurred, advise local emergency services. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Contain minor spills (less than 100L) from local drainage with any suitable bund or barrier. Soak up spilled product using absorbent non-combustible material such as mineral sponge, paper, rags, sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, clearly labeled, dry, sealable containers and hold for safe disposal. Once pick up is complete, flush spill site with plenty of water to eliminate any residue. For large spills from drums and IBCs, alert the local Fire Brigade. Clear area of all unprotected personnel. Slippery when spilt. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect absorbed material in drums which can be closed and sent to landfill. Hold any contaminated water for disposal by a waste disposal contractor. If material does contaminate crops, sewers or waterways, alert local emergency services.

7. HANDLING AND STORAGE

Handling advice Avoid eye and skin contact. Avoid inhalation of vapour and mist. Wash hands thoroughly after handling. Wear protective gloves, eye protection and overalls when handling bulk product. Avoid release to the environment.

Storage advice Store in a cool, dry well-ventilated area, away from direct sunlight, heat sources, and food stuffs. Ensure containers are correctly labelled, protected from physical damage, sealed when not in use and stored upright. Check regularly for leaks, spills etc. Keep out of reach of children. Keep containers closed when not in use. Store locked up in original packaging as approved by manufacturer. Do not use empty containers for the storage of foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Guidelines No value assigned for this specific material by the NZ Occupational Safety and Health Services (OSH).

Engineering Controls Natural ventilation should be adequate under normal use conditions. Use only in well-ventilated areas.

Personal Protective Equipment Wear chemical resistant disposable gloves (e.g., PVC), safety glasses/face shield, safety shoes/rubber boots, apron and overalls. When handling individual retail packs, no personal protective equipment is required. Always wash hands before smoking, eating, drinking or using the toilet. When handling do not eat, drink or smoke. Wash contaminated clothing and other protective equipment before storage or reuse. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odour	Slight amine
Solubility	Soluble in water
Specific Gravity	1.04 – 1.06
Flash Point (^{0}C)	Not applicable
pH	9.0 – 10.0
Freezing Point	Not available
Boiling Point	Approx. 100ºC
Relative Vapour Density	>1
Viscosity	Not available

10. STABILITY AND REACTIVITY

Stability This material is thermally stable when stored and used as directed.

Conditions to avoid Elevated temperatures and sources of ignition.

Incompatible materials Oxidising agents.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

Reactivity No known hazardous reactions.

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 overexposure occurs are:

Swallowed Material may be an irritant to mucous membranes and respiratory tract. Acute toxicity estimate (based on ingredients): 2,000 – 5,000mg/Kg bw

Eye Contact A severe eye irritant. Corrosive to eyes. Contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Skin Contact	Contact with skin will result in severe irritation. Corrosive to skin. May cause skin burns. Acute toxicity estimate (based on ingredients): > 5,000mg/Kg bw
Inhaled	Material may be an irritant to mucous membranes and the respiratory tract. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for mist or LC50 > 5,000 ppm for gas
Long Term Effects	Contamination of eyes can result in permanent injury.
Toxicological Data	No LD_{50} data available for this product.

12. ECOTOXICOLOGICAL INFORMATION

Aquatic toxicity:	Very toxic to aquatic life with long lasting effects. Avoid contaminating waterways. Acute toxicity estimate (based on ingredients): <1 mg/L
Long-term aquatic hazard:	This material has been classified as very toxic in the aquatic environment. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): > 100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K_{ow} < 4.

13. DISPOSAL

Recycle wherever possible. Whatever cannot be saved for recovery or recycling should be sent to an approved waste disposal contractor for disposal in an approved waste facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents using an approved waste disposal contractor. Care should be taken to ensure compliance with national and local regulations. This product is NOT for unauthorised disposal by either landfill or via municipal sewers. Not to be discharged to drains, natural streams or rivers.

Special Precautions: Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Observe all safeguards on label and in this SDS until container is cleaned, reconditioned or destroyed. Decontaminate empty containers with water. Dispose of container and unused contents in accordance with local authority requirements.

14. TRANSPORT INFORMATION

Road and Rail Transport — Classified as a Dangerous Good according to NZS 5433:2020 Transport of Dangerous Goods on Land.



UN No:	1760
Dangerous Goods Class:	8
Packing Group:	III
Hazchem Code:	2X
Emergency Response Guide No:	37
Proper Shipping Name:	CORROSIVE LIQUID, N.O.S. (BENZALKONIUM CHLORIDE)

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids. Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis. Note 3: Acids are incompatible with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply.

Marine Transport — Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.



UN No:	1760
Dangerous Goods Class:	8
Packing Group:	III
Proper Shipping Name:	CORROSIVE LIQUID, N.O.S. (BENZALKONIUM CHLORIDE)

Air Transport Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No: 1760
Dangerous Goods Class: 8
Packing Group: III



Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (BENZALKONIUM CHLORIDE)

15. REGULATORY INFORMATION

ERMA (NZ) Approval Code N/A

Group Standard 2020 HSR002526 – Cleaning Products (Corrosive) Group Standard

For more information refer to the ERMA website: www.epa.govt.nz

16. OTHER INFORMATION

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. The User is responsible to evaluate all available information when using the product for any particular use and to comply with all the current legislation.