SAFETY DATA SHEET

Hazardous Chemical, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name:	**NEUTRASAN**
Recommended Use:	Cleaner & sanitizer
Supplier:	Hygiene Technologies Ltd
Street Address:	28 Rangitane Rd Whakatu, Hastings 4102 New Zealand
Telephone:	+ 64 6 876 4111 or 0800 732 525
Facsimile:	+ 64 6 878 3802
Emergency Telephone number:	New Zealand Poisons Centre **0800 POISON (0800 764 766)**

2. HAZARDS IDENTIFICATION

This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001 – Reprinted 2017. This substance is hazardous according to the criteria of Safe Work Australia.

This substance is classified as a dangerous good for Land Transport in New Zealand according to NZS5433: 2020. This substance is classified as a dangerous good for Land Transport according to the Australian Code for Transport of Dangerous Goods.



NZ EPA Approval Code

HSR002530 – Cleaning Product (Subsidiary Hazard) Group Standard 2020

Signal Word

Warning

Hazard Classifications

Acute Oral Toxicity - Category 4
Eye Irritation - Category 2
Specific Target Organ Toxicity – Single Exposure - Category 3
Hazardous to the Aquatic environment Acute - Category 1
Hazardous to Aquatic Environment Chronic - Category 1

Hazard Statements

H302 Harmful if swallowed
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Prevention Statements:

P102 Keep out of reach of children
P103 Read label before use
P261 Avoid breathing dust.
P264 Wash hands thoroughly after handling.
P270 Do not eat drink, eat, or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves, protective clothing, eye and/or face protection.

Response Statements:

P101 If medical advice is needed, have product container or label at hand
P312 Call a POSION CENTER…if you feel unwell. Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical device.
P330 Rinse mouth.
P391 Collect spillage
P301+P312 IF SWALLOWED: Call a POISON CENTER…if you feel unwell. Manufacture / supplier / competent to specify the appropriate source of emergency medical device.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice.

Storage Statements

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal Statement

P501 Dispose as per Local Regulations.

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS No.	PROPORTION
Sodium Dichloroisocyanurate Dihydrate	51580-86-0	10 – 40%
Sodium DDBS	25155-30-0	< 5%
Non Hazardous Ingredients	-	Balance

4. FIRST AID MEASURES

Recommended First Aid Facilities:	Ready access to running water is required. Accessible eyewash is required. Emergency Ready access to shower, hand wash & soap.
Inhalation:	Remove patient to fresh air. If breathing becomes difficult get medical attention.
Skin Contact:	Wash skin with soap and water. Take off contaminated clothing and wash before re-use. Seek medical assistance if needed.
Eye Contact:	Rinse for at least 15 minutes lifting eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical assistance if needed.
Ingestion:	Rinse mouth. Do not induce vomiting.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Specific Hazard	Incomplete combustion will produce oxides of carbon and nitrogen.
Suitable Extinguishing Media:	Waterspray/fog, Dry powder, Carbon Dioxide, Alcohol resistant foam.
Fire/Explosion Hazards	The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both) fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. For appropriate PPE requirements see Section 8
HAZCHEM	2X

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin, eye and respiratory exposure. Contain using sand, earth, or vermiculite. Do not dispose of spilled product down drains or bins use a qualified disposal service to dispose of spilled material.

LARGE SPILLS

Wear protective equipment to prevent skin and eye exposure. Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately). Use absorbent (soil, sand or other inert material). Rags are not recommended for the clean-up of spills, as they may create fire or environmental hazard. Collect and seal in properly labeled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services. Mop up and collect recoverable material into labeled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose of only in accord with all regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Keep out of reach of children. Wear protective clothing. Wash hands thoroughly after handling. Protect from light and check regularly for spills & leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: No exposure standards have been established for this product by Worksafe New Zealand.

Engineering Controls: Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists are high, you are advised to modify processes or increase ventilation.

Personal Protective Equipment:

Eyes: Protect eyes with goggles, safety glasses or full-face mask that comply with AS/NZS 2121.2:2020.
Skin: Wear overalls, rubber boots and impervious gloves that comply with:
Clothing: AS/NZS 4501.1:2008
Feet: AS/NZS 2210.3:2009
Gloves: AS/NZS 2121.2:2020
Respiratory: Use a respirator that complies with AS/NZS 1715:2009 and fitted with an organic cartridge

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to Off White
Odour:	Powder
Odour Threshold:	Faint Chlorine
pH:	7.00
Melting Point:	No Data Available
Boiling Point/Range (°C):	No Data Available

Flash Point (°C):	No Data Available
Flammability:	No Data Available
Explosive Limits:	No Data Available
Vapour Pressure:	No Data Available
Vapour Density:	No Data Available
Specific Gravity / Density:	No Data Available
Solubility:	No Data Available
Partition Coefficient:	No Data Available
Auto-Ignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Kinematic Viscosity:	No Data Available

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal storage and handling conditions.
Conditions to Avoid:	Containers should be kept closed and away from heat.
Incompatible Materials:	Avoid contact with strong oxidizers, alkalis, and mineral acids.
Hazardous Decomposition Products:	Oxides of carbon, nitrogen, and metals.

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

Oral	This product is considered toxic orally based on GHS calculation rules utilizing the LD_{50} value of 1080.
Skin Contact	This product is not considered an irritant to the skin based on the GHS calculation rules.
Dermal	This product is considered non-toxic dermally based on GHS calculation rules utilizing the LD_{50} for each individual ingredient. Not considered a significant route of exposure.
Inhaled	This product is considered non-toxic by inhalation based on GHS calculation rules utilizing the LD_{50} for each individual ingredient. Not considered a significant route of exposure.
Eyes	This product is considered irritating to the eye based on the GHS calculation rules.

CHRONIC TOXICITY

Mutagenicity	No data available
Carcinogenicity	No data available
Reproductive Toxicity (including via Lactation)	No data available

12. ECOLOGICAL INFORMATION

Summary: This product is considered toxic to aquatic life with long lasting effects.

Aquatic	This product is considered very toxic to aquatic life with long lasting effects, based on GHS calculation rules utilizing the EC50/NOEC for each of the individual ingredients. The NOEC level is 0.2mg/ml
Bioaccumulation Degradability	Not Biodegradable. Not bio accumulative.
Ecotoxicity in the Soil Environment	No data available
Ecotoxicity to terrestrial vertebrates	No data available
Ecotoxicity to terrestrial invertebrates	No data available
Environmental Protection	Avoid contaminating waterways. Do not discharge the product into drains or sewers.

13. DISPOSAL CONSIDERATIONS

Rinse containers well with water before disposal. Collect all residues and washing in a container for disposal by an approved provider. Preferably re-cycle container, otherwise send to an authorized landfill or similar.

14. TRANSPORT INFORMATION

This substance is classified as a dangerous good for Land Transport Rule in New Zealand according to NZS 5433:2020.

UN Number:	3077
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S. (Sodium Dichloroisocyanurate dihydrate)
Class:	9
Packing Group:	III
HAZCHEM	2X

15. REGULATORY INFORMATION

EPA Approval Code: **HSR002530**
Cleaning Product (Subsidiary Hazard) Group Standard 2020

	TRIGGER QUANTITY
Certified Handler	Not Required
Location Certificate	Not Required
Tracking	Not Required
Signage	Not Required
Emergency Response Plan	Not Required

NZIoC All components are listed on the New Zealand Inventory of Chemical Substances.
AICS All components are listed on the Australian Inventory of Chemical Substances.

16. OTHER INFORMATION

Date Issued: November 09, 2022
Version: 1.1
Date of Next Review: November 09, 2027

SDS Regulation:
The content and format of this SDS is in accordance with HSNO Approved Code of Practice (No. HSNO COP 8-1 09-06): Preparation of Safety Data Sheets.

Disclaimer:
Safety Data Sheet prepared by Grayson Wagner Co Ltd. This document is compiled based on current knowledge as provided or information obtained from third party sources relating to safety and handling precautions for this product. Grayson Wagner Co Ltd has taken all due care to include accurate and up-to-date information in this document and does not provide any warranty as to accuracy or completeness. The information herein is given in good faith, but no warranty, express or implied is made. Please contact the New Zealand proprietor, Hygiene technologies if further information is required

End of Safety Data Sheet