

Date of issue: 27 February 2025
Revised by: Simonne Moses - HSNO Consultant SDS No: 1

Safety Data Sheet

Eco Wash Laundry Detergent

Classified as: Hazardous according to the EPA Hazardous Substances
(Hazard Classifications) Notice 2020.

Section 1: SUBSTANCE AND SUPPLIER DETAILS

Product Name: Eco Wash Laundry Detergent

Supplier: The Service Company
39 Business Parade Nth
Auckland 2013
New Zealand

Phone: 0800 753 753

Recommended Use: Alkaline, laundry powder

In Case of Emergency Contact:

NATIONAL POISONS CENTRE
NZ: 0800 POISON (764 766)

Section 2: HAZARDS IDENTIFICATION

This product is classified as a Dangerous Good for Transport.

This product is classified as hazardous according to criteria in the EPA Hazardous Substances (Hazard Classifications) Notice 2020.

Classified under the group standard "Cleaning Products (Corrosive) Group Standard 2020"

HSNO APPROVAL NUMBER: **HSR002526**

HSNO CLASSIFICATIONS: 8.2C – Corrosive to skin
8.3A – Corrosive to eyes
9.1C – Harmful in the aquatic environment, chronic

GHS Classification: Skin corrosion – Category 1C
Serious eye damage - Category 1
Hazardous to the aquatic environment, chronic – Category 3

Labelling Elements:

Hazard Statements:

H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.

GHS Pictograms:



Signal Word: **DANGER**

PREVENTION STATEMENTS:

- P102 – Keep out of reach of children.
- P103 – Read carefully and follow all instructions.
- P260 – Do not breathe dust.
- P264 – Wash hands, exposed skin thoroughly after handling.
- P273 – Avoid release to the environment.
- P280 – Wear protective gloves, protective clothing, eye protection, face protection.

RESPONSE STATEMENTS:

- P101 – If medical advice is needed, have product container or label at hand.
- 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].
- 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 panel on this label).

STORAGE:

- P405 – Store locked up.

DISPOSAL:

- P501 - In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Dispose of via an approved waste disposal contractor. Refer to Section 13 of the SDS.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture: Alkaline laundry powder.

Main Component	CAS Number	Concentration (%wt)
Sodium sulphate	7757-82-6	40 - 60 %
Sodium dodecyl benzene sulphonate	25155-30-0	5 - 20 %
Sodium carbonate	497-19-8	5 - 20 %
Sodium silicate	1344-09-8	5 - 15 %

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: FIRST AID MEASURES

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Workplace Facilities Required: Eye wash and safety shower facilities should be provided in workplaces.

If Inhaled: Remove to fresh air. Seek medical attention if symptoms persist.

In Contact with Eye: Hold eyes open, flush continuously with water until told to stop by a medical professional, or for at least 20 minutes. Seek immediate medical attention.

In Contact with Skin: Wash skin with plenty of water, while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. Seek immediate medical attention.

If Swallowed: DO NOT INDUCE VOMITING. Rinse mouth. Give small quantities of water. Never give anything by mouth to an unconscious person. If unconscious, seek immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration to lungs.

Advice to Doctor: Treat symptomatically. Product is alkaline and corrosive to eyes and skin. Pain may be delayed. Ophthalmological opinion should be sought for burns to eyes.

Section 5: FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Product is not flammable or combustible.

Suitable Extinguishing Media: Use carbon dioxide, dry powder, alcohol resistant foam, or water spray.

Precautions in Connection with Fire: May give off corrosive/irritating fumes in a fire containing oxides of carbon and sulphur, and compounds of sodium and silicon.

Advice for firefighters: Wear full firefighting gear and self-contained breathing apparatus.

Section 6: ACCIDENTAL RELEASE MEASURES

An emergency response plan meeting the requirements of Part 5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017 is required when held in quantities greater than 1,000kg.

Precautions: Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Avoid contact with skin and eyes. Avoid release to the environment. Avoid generating dust.

Suitable Protective Equipment: Emergency responders must use personal protective equipment, including gloves, protective clothing and footwear, and safety goggles. Respiratory protection may be required if dust is present.

Spill or Leak Procedures. Contain the spill. Cover with damp inert absorbent (sand, soil). Collect into a suitable waste container for disposal. Ensure waste container is properly labelled.

Waste Disposal Methods: Dispose of as per Section 13.

Emergency preparation: Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release.

Section 7: HANDLING AND STORAGE

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Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid inhaling dust. Do not eat, drink, or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas.

Storage: Keep out of reach of children. Store locked up. Keep in original labelled container. Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area.

Site Storage Requirements: Site Signage will be required when quantities exceed 1,000kg. Shelf life of 2 years from manufacture when stored as directed. Refer to Section 10 for incompatibilities.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards NZ: No Workplace Exposure Standards have been established for this product or its ingredients.

Engineering Controls: Eyewash facilities and safety showers should be provided in the work area where there is a risk of exposure to eyes and skin. If use generates large quantities of dust, use engineering controls such as local exhaust ventilation to ensure workers are not exposed to levels exceeding the exposure standards.

Personal Protective Equipment: Avoid contact with skin and eyes. Avoid inhaling dust.

Hand protection: Wear protective gloves that are resistant to the product, e.g., PVC. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.

Skin and body protection: Use protective clothing when handling large quantities. Remove any contaminated clothing to avoid prolonged contact with the skin. Wash work clothes regularly. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing.

Eye protection: Use safety goggles to protect eyes. Refer to AS/NZS 1336 for suitable eye and face protection.

Respiratory protection: If ventilation is inadequate and use generates dust, use a respirator suitable for particulates.

Other information: PPE selected must be impervious to the substance. Do not eat, smoke, or drink where material is handled, processed, or stored. Wash hands carefully before eating, drinking, or smoking. Handle in accordance with safe industrial hygiene practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Description:	Solid, granular powder	Colour:	White with blue granules
Odour:	Slight odour	Odour Threshold:	Not available
pH (25°C):	11.1 (50 g/L solution)	Solubility (water, 20°C):	Partially soluble
Freezing/Melting point:	350°C	Boiling Point:	Not available
Flammability:	Non-flammable	Flash Point:	Not applicable
UEL/LEL:	Not applicable	Vapour Pressure (20°C):	Not available
Decomposition Temp:	Not available	Autoignition Temp:	Not applicable
Density (20°C):	Not available	Vapour Density (20°C):	Not available

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Partition Coefficient: n-octanol/water Not applicable **Viscosity (kinematic):** Not applicable
Particle Characteristics: Not available

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

Reactivity: None expected under normal conditions of use. Avoid contact with acids.

Conditions to Avoid: Elevated temperatures. Dust formation.

Incompatibility: Incompatible with strong acids and strong oxidisers, aluminium and magnesium. Keep away from foodstuffs and animal feed.

Hazardous Decomposition: Thermal decomposition may result in corrosive/irritating fumes containing oxides of sulphur and carbon, and compounds of sodium and silicon.

Section 11: TOXICOLOGICAL INFORMATION

Acute Exposure

Acute Toxicity: Not classified as acutely toxic.
LD₅₀ oral > 2,000 mg/kg.
LD₅₀ dermal > 2,000 mg/kg
LC₅₀ inhalation > 5 mg/L (dust)

Inhalation: Inhalation of dust may irritate or burn mucous linings.

Ingestion: Ingestion may cause corrosive burns to mouth and throat.

Skin Corrosion/Irritation: Product is a skin corrosive and will cause redness, and skin burns. Pain may be delayed.

Serious Eye Damage/Eye Irritation: Product is corrosive to the eyes and may cause corneal burns. Pain may be delayed.

Respiratory or Skin Sensitisation: No information available. Not expected to be a respiratory or skin sensitiser.

Chronic Exposure:

Mutagen/Carcinogen/Reproductive Toxicant No information available. Product is not expected to be mutagenic, carcinogenic or a reproductive toxicant.

Specific Target Organ Toxicity Single Exposure: No information available. Not expected to be a specific target organ toxicant by single exposure.

Specific Target Organ Toxicity Repeated Exposure: No information available. Not expected to be a specific target organ toxicant by repeated exposure.

Aspiration Hazard: No information available. Not expected to be an aspiration hazard.

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Toxicity data is based on hazardous ingredient information and concentrations and information for those ingredients in the EPA Chemical Classification and Identification Database.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Product is classified as ecotoxic to the aquatic environment and may be harmful to aquatic organisms with long lasting effects.
LC/EC₅₀ >10 - 100 mg/L

Persistence/degradability: Not expected to be persistent.

Bioaccumulation: Not expected to bioaccumulate.

Mobility in soil: No data available.

Other adverse effects: Product is alkaline and may affect pH of waterways.

Ingredients with Ecotoxic classifications: Sodium dodecyl benzene sulphonate has been classified as hazardous in the aquatic environment – category 1 acute and category 2 chronic. The concentration of this ingredient in the formulation classifies the product as category 3 chronic.
There are no other ingredients with ecotoxic classifications.
Ecotoxicity data is based on hazardous ingredient information and concentrations and information for those ingredients in the EPA Chemical Classification and Identification Database.

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Recycle and reuse wherever possible. Dispose of waste product via an approved waste disposal contractor.

Disposal of Packaging: Dispose of packaging via an approved waste disposal contractor. If packaging has not been rinsed out prior to disposal, then it may contain product residues and should be treated as hazardous.

Section 14: TRANSPORT INFORMATION

This product is classified as a Dangerous Good for transport in accordance with NZS5433:2020, IMDG or IATA.



Land Transport NZS5433:2020:
UN No: 3262
Proper Shipping Name: Corrosive solid, basic, inorganic, n.o.s. (contains sodium silicate)
Class: 8
Packing Group: III

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Environmental hazard: Not applicable
Limited Quantity: 5 kg
Hazchem Code: 2X

Marine Transport IMDG:
UN No: 3262
Proper Shipping Name: Corrosive solid, basic, inorganic, n.o.s. (contains sodium silicate)
Class: 8
Packing Group: III
Marine Pollutant: No
EmS: F-A, S-B
Limited Quantity: 5 kg

Air Transport IATA:
UN No: 3262
Proper Shipping Name: Corrosive solid, basic, inorganic, n.o.s. (contains sodium silicate)
Class: 8
Packing Group: III
Environmental hazard: Not applicable

Ensure transportation methods prevent leakage from packages and collapsing loads.

Section 15: REGULATORY INFORMATION

Group Standard Allocation: Cleaning Products (Corrosive) Group Standard 2020
HSNO Approval Code: HSR002526
Classifications: Skin corrosion – Category 1C
Serious eye damage – Category 1
Hazardous to the aquatic environment, chronic – Category 3
NZ Inventory of Chemicals: All ingredients are listed in the NZ Inventory of Chemicals.

This substance triggers:	Compliance Certificate	N/A
	Certified Handler	N/A
	Emergency Response Plan	1,000kg
	Secondary Containment	Not applicable
	Signage	1,000kg

This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

Section 16: OTHER INFORMATION

The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other

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products.

This substance is approved under HSNO for use as a cleaning chemical. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance.

All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty, express or implied is made.

SDS Issued: 27 February 2025

Reason for Revision: 5-year review and update. Correction of product classification and revise to meet requirements of EPA NZ Hazardous Substances (Safety Data Sheets) Notice.

References:

EPA NZ Chemical Classification and Information Database
EPA Guide: Guide to Classifying Hazardous Substances in New Zealand, Version 1
Original SDS: The Service Company, Eco Wash Laundry Detergent SDS, December 2019

Summary of Abbreviations: EPA – Environmental Protection Authority
GHS – Global Harmonisation System
CAS – Chemical Abstracts Service

END OF SAFETY DATA SHEET