

SAFETY DATA SHEET

Product Name ECO-CLEAN

Revision Date: 02/08/2024

Version: 001

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ECO CLEAN

Recommended Use Multi-Purpose Cleaner / Degreaser /Sanitiser – Biodegradable
MPI APPROVED C32 ,C42
MPI APPROVED- Farm & Dairy Processing

Company Details : Advance International Cleaning System (NZ) Ltd

Address : 663 Great South Road, Penrose, Auckland 1642

Telephone Number : +64 9 525 3792

Emergency Telephone: Number : National Poison Information Centre **0800 764 766**

Date of Preparation :02/08/2024

2. HAZARD IDENTIFICATION

Classified Under EPA (Classification) Notice 2017 + ECHA C&L Inventory

GHS Classification and Categories

Serious eye damage : Category 1
Skin irritation : Category 2
Skin Sensitization : Category 1
Aquatic Toxicity (Chronic) : Category 3

GHS LABEL ELEMENT



DANGER

Code	Hazard Statement
H315	Causes mild skin irritation
H318	Causes serious eye damage
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Prevention Statement

P103	Read label before use
P264	Wash hands thoroughly after handling.
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 Statement

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
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/attention.

P363 Wash contaminated clothing before reuse.
 Other Hazards Unknown

Disposal Statement

P501 Dispose through licensed disposal contractor.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Concentration %
Sodium Metasilicate	10213-79-3	<5
NTA Trisodium salt	18662-53-8	<5
Quaternary Ammonium Compound	Proprietary	<5
1-Heptanol, 2-propyl-:7EO	160875-66-1	<5
Teric N5	127087-87-0	<5
Alcohol	Proprietary	<10
Limonene	5989-27-5	<5
Non-Hazardous		Level

4. FIRST AID MEASURES

Ingestion	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Keep at rest. Immediately call a POISON CENTRE, doctor, or physician. Get medical attention or advice if you feel unwell.
Eye contact	Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes.
Skin contact	Take off immediately all contaminated clothing and wash it before re-use. Immediately call a POISON CENTRE, doctor, or physician.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical attention or advice if you feel unwell

Poison Information Centre: Call 0800 764 766 (0800 POISON)

5. FIRE FIGHTING MEASURE

Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	None known
Specific hazards during firefighting : Hazards from combustion products	Non-Combustible Non-Combustible. However, following evaporation of aqueous component, residual material can burn if ignited. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide.
Precautions for fire fighters and special protective equipment:	Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighter's uniform.
Hazchem code	2R 2 - Fine water spray R - Liquid-tight chemical protective clothing and breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Emergency Precautions:
 Personal precautions, protective equipment and emergency procedures Wear suitable protective clothing, gloves, and eye/face protection. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may slippery. Environmental precautions: Do not allow

to enter drainage system, surface, or ground water. Dilute with plenty of water. Advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment. Methods and material for containment and cleaning up use neutralising agent. Absorb onto dry sand or similar inert material.

Methods and Materials for Containment and Clean Up:

Soak up spilled product using absorbent, non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

7. HANDLING AND STORAGE

Handling: Wash hands thoroughly after handling. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Empty containers retain product and residue (liquid or vapour) and can be dangerous. Keep container tightly closed. Always wash hands before smoking, eating, or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

Advice on general occupational hygiene: Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink, and animal feeding stuffs. Wash hands before breaks and at the end of workday. Wash face, hands, and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Use personal protective equipment as required. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Use only with adequate ventilation.

Storage: Containers must be carefully vented to release the pressure build up. Store in cool, dry, well-ventilated area away from incompatible substances. Keep containers always closed, check regularly for leak.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: The Occupational Safety and Health Service, NZ Department of Labour have set no Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) for this substance. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section. Recommended safety measures for handling the undiluted products.

Appropriate engineering controls: Where possible: use in automated/closed system and cover open containers. Transport over pipes. Filling with automatic systems. Use tools for manual handling of product.

Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

Environmental exposure controls: Should not reach sewage water or drainage ditch undiluted or unneutralised.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Where concentration in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

Eye Protection: Safety glasses or goggles (EN 166). The use of a full-face shield or other full-face protection is strongly recommended when handling open containers or if splashes may occur.

Skin/Hand Protection: Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when manufacturing this product.

Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the glove's supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature. Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm

Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm in consultation with the supplier of protective gloves a different type providing similar protection maybe chosen.

Body protection: Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur (EN 14605).



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Green
Physical State:	Liquid
Odour:	Citrus
Odour Threshold	Not Determined
pH:	13.0 ± 0.5
Solubility:	Soluble in water
Vapor Density:	no data available
Boiling point:	>100 deg
Freezing Point:	no data available
Ignition Point:	no data available
Flash Point:	no data available
Specific Gravity:	1.0500 Approx
Vapor pressure:	no data available
% Volatilities	no data available
Flammability	Not Determined
UEL/LEL	Not Determined
Partition Coefficient	Not Determined
Auto Ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Kinematic Velocity Particle	Not Determined
Characteristics	

10. STABILITY AND REACTIVITY

Chemical Stability: No reactivity hazards known under normal storage and use conditions. Stable at room temperature and pressure.

Conditions to avoid: Avoid excessive heat, direct sunlight, moisture, high temperatures. No hazardous reactions known under normal storage and use conditions.

Incompatible Materials: Incompatible with oxidizing agents, acidic agents, including acidic clays and sources of Ignition. Reacts with acids.

Hazardous decomposition: When involved in a fire, this product will generate carbon monoxide.

Hazardous reactions: Oxidizing agents, mineral acids, halogenated organic compounds.

11. TOXICOLOGICAL INFORMATION

Mixture data:

No adverse health effects expected if the product is handled in accordance with the safety data sheet. Symptoms or effects that may arise if the product is mishandled and the overexposure occurs are:

Acute Effects

Ingestion: Small amounts of liquid aspirated into lungs during ingestion, or from vomiting. Ingestion of large amounts of this product will result in headaches, nausea, dizziness, and tracheal burning.

Eye Contact: This product is irritating, and pain followed by swelling to the conjunctiva.

Skin Contact: This product may be irritating to skin.

Inhalation: No data Available

12. ECOLOGICAL INFORMATION

Persistence/ degradability:	The substance is aerobically biodegradable and anaerobically biodegradable
Mobility:	No data is available for this product.
Toxicity -Environmental Effects:	Avoid contaminating waterways
Other adverse effects	No data available
Aquatic Toxicity (Chronic)	Category 3

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Empty packaging should be taken for recycling, recovery, or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Waste treatment methods Waste from residues / unused concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers are discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

Suitable cleaning agents: Water, if necessary, with cleaning agent.

14. TRANSPORT INFORMATION

IMAGE/PICTOGRAM

Land transport, Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

Road and Rail Transport: Not classified as Dangerous Goods by the criteria of New Zealand Dangerous Goods Code for transport by road and rail.

Marine Transport: Not classified as Dangerous Goods by the criteria of international Maritime Dangerous Goods Code for transport by sea.

Air Transport: Not classified as Dangerous Goods by the criteria of international Air Association Dangerous Goods Regulations for transport by air

Shipping Name	:N/A
Hazard Class	:N/A
UN Number	:N/A
Packing Group	:N/A
Hazchem code	:N/A
MO/IMDG	:N/A

Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

Aquatic Toxicity (Chronic) : Category 3

15. REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation specific for the substance or mixture

Inventory Listing(s)	New Zealand: NZIoC (New Zealand Inventory of Chemicals) All components are listed on the NZIoC inventory or are exempt.
HSNO Approval No	:HSR002526
Group Standard	:Cleaning Products (Corrosive Hazard) Group Standard 2020

16. OTHER INFORMATION

HSNO Classification: 6.3A, 6.5B, 8.3A, 9.1C
Date of Preparation: 02/08/2024

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

New Zealand National Poison Information Centre: 0800 764 766

New Zealand Emergency Services: 111

Advance International Cleaning Systems (NZ) Limited: +64 9 525 3792

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for uses is beyond our control. The information is not intended as an inducement to bargain, and no warranty expressed or implied is made as to its accuracy, reliability or completeness.

Advance International Cleaning Systems (NZ) Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product complies with appropriate Local Councils regulations.

End of Safety Data Sheet