Safety Data Sheet

Arctic Det

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

Product Name	**Arctic Det**
Recommended Uses	Laundry detergent
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 NOT 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 irritation – Category 3
Serious eye irritation – Category 2
Aquatic toxicity (acute) - Category 3

SIGNAL WORD **WARNING**

Pictograms Exclamation Mark



Group Standard 2020 HSR002530

Hazard Statements
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H401 Toxic to aquatic life.

Precautionary Statements

Prevention
P264 Wash hands, face and all exposed skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves, clothing, eye/face protection and suitable respirator.

Response
P101 If medical advice is needed, have product container or label at hand.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical attention.
P337+P313 If eye irritation occurs: Get medical attention.

Storage None allocated

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
Water	7732-18-5	>60% (w/w)
Nonylphenol 9-mole ethoxylate, phosphoric acid ester	66197-78-2	<10% (w/w)
Diphosphoric acid, tetrapotassium salt	7320-34-5	<10% (w/w)
Alcohols, C12-14, ethoxylated	68439-50-9	<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 decompose if involved in a fire, emitting toxic fumes. 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	Not applicable

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 repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosol. 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.
Personal Protective Equipment	Wear chemical resistant disposable gloves (e.g., PVC), safety glasses and overalls. 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, green liquid
Odour	Floral musk perfume
Solubility	Completely soluble in all proportions
Specific Gravity	1.08 – 1.10
Flash Point (^{0}C)	Not applicable
pH	8.0 – 9.0
Freezing Point	Not available
Boiling Point	Not available
Vapour Pressure	Not available
Viscosity	20 mPa.s

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	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. Acute toxicity estimate (based on ingredients): >5,000 mg/Kg bw.
Eye Contact	An eye irritant.
Skin Contact	Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Acute toxicity estimate (based on ingredients): >5,000 mg/Kg bw.
Inhaled	Material may be an irritant to mucous membranes and respiratory tract. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 5,000 ppm gas.
Long Term Effects	No information available for the product.
Toxicological Data	No LD_{50} data available for this product.

12. ECOTOXICOLOGICAL INFORMATION

Aquatic toxicity:	Avoid contaminating waterways. Acute toxicity estimate (based on ingredients): 1 – 10 mg/L

Long-term aquatic hazard: 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

Transport of Dangerous Goods Pictograms: Nil

Road and Rail Transport NOT classified as a Dangerous Good according to NZS 5433:2020 Transport of Dangerous Goods on Land.

Marine Transport NOT classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport NOT classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

ERMA (NZ) Approval Code N/A

Group Standard 2020 HSR002530 – Cleaning Products (Subsidiary Hazard) Group Standard

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

16. OTHER INFORMATION

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