Product Group:
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Advance Nature Dish Wash Detergent

Dish Wash Detergent is the ideal product for dish washing in all industries, including in restaurants and food preparation. It cuts through grease, food particles and stains for sparkling clean dishes, yet its biodegradable ingredients are gentle on the skin. Advance Nature Dish Wash Detergent is also perfect as an all purpose cleaner. Use it for floor mopping, clothes & car washing and for general cleaning.

Advance Nature Dish Wash Detergent is an aqueous solution of anionic, non-ionic and amphoteric surfactant used for cleaning hard surfaces such as glass, ceramic materials, plastics, painted and polished surfaces, crockery, pots and pans.
It has been designed to exhibit excellent performance at room temperature in highly diluted cleaning solutions. Anionic surfactant is added to provide excellent detergency and emulsification, particularly for oily soil, foam builder and foam stabilizer. Non- ionic surfactant is added to remove oily, greasy and particulate soil from the substrate. Amphoteric surfactant is added for its viscosity building as well as its mildness and its reduction of skin and eye irritation caused by anionic surfactants.

Features and Benefits

- Proven Cleaning Power*
- Environmental Choice New Zealand Licensed
- NZFSA Approved C 32 (all animal products except dairy)
- Biodegradable**
- Proudly NZ Made

** Advance Nature Dish Wash Detergent has been tested following ASTM D 4488-95 (American Society for Testing and Materials) Standard Guide for Testing Cleaning Performance for Products.*
*** All ingredients considered readily biodegradable as stated in the Detergent Ingredient Database (DID List) according to OECD guidelines and based on approval by the European Commission.*

Environmental Description

Advance Nature Dish Wash Detergent is the latest in environmentally preferable cleaning detergents, formulated to provide excellent performance with minimum impact on the environment.
Advance Nature Dish Wash Detergent is highly biodegradable, phosphate free, uses renewable plant derived surfactants, and conforms to all statutory environmental requirements
Using the latest environmentally friendly criteria, Advance Nature Dish Wash Detergent does not contain EDTA, NTA, DTPA, reactive chlorine, quaternary, alkyl phenol ethoxylate, toxic , harmful or ecologically suspect ingredients.
Advance Nature Dish Wash Detergent containers will be cleaned and reused if returned to Advance International Cleaning Systems, significantly reducing plastic usage and waste, the containers can also be recycled.

Directions

Manual Dishwashing:
Dilute 10mls Advance Nature Dish Wash Detergent to 5 litres water (2 teaspoons to half a bucket).
Floor Washing:
Dilute 10ml to 5L water (2 teaspoons to half a bucket) or 5ml to 10L (1 teaspoon to half a bucket) for light cleaning.
Benches & Work Areas:
Dilute 2ml to 1L water (light squirt in litre bottle), spray and wipe.
Clothes Washing:
For both wool and synthetic clothing dilute 10ml to 5L water (2 teaspoons to half a bucket).
Car Washing:
Dilute 10ml to 5L water (2 teaspoons to half a bucket).

All food contact areas require a water rinse after cleaning.

All cleaners have an effect on the environment. Always use the correct dose for maximum efficiency and minimum environmental impact.

Chemical Data

Physical description

Appearance	yellow viscous liquid	***Solidity***	15%
Odour	orange	***Specific gravity***	1.03
pH	7 -/+ 0.5	***Boiling point***	100 c
Viscosity	300 cP		

Storage and transportation

Advance Nature Dish Wash Detergent is not classified as a Dangerous Goods by the criteria of Dangerous Goods Code for road and rail transport, and can be stored in sealed original containers for at least 2 years.

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name;	***Advance Nature Dish Wash Detergent***
Recommended use;	All purpose detergent, made from renewable, plant derived materials, highly concentrated, biodegradable and MAF approved
Company Details;	Advance International Cleaning Systems (NZ) Ltd
Address;	663 Great South Road, Penrose Auckland. New Zealand
Telephone Number;	+64 9 525 3792
Emergency Telephone No.	National Poison Information Centre 0800 764 766
Date of Preparation	1/10/2010

2. HAZARD IDENTIFICATION

HSNO Hazard Classification: 6.1E, 6.3A, 6.4A

Code:	**Hazard Statement**
HH15	Causes skin irritation
HH19	Causes eye irritation

Prevention Statement:

- Wash thoroughly after handling
- Wear protective gloves
- Wear eye/face protection

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	**CAS #**	**Concentration %**
Sodium citrate	68-04-2	<5
Anionic surfactant		>5
Non- ionic surfactant		<5
Sodium chloride	7647-14-5	<5
Water	7732-18-5	level

4. FIRST AID MEASURES

Ingestion

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Seek immediate medical attention.

Eye Contact

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.

Skin Contact

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

Inhalation

Remove the effected person out to a ventilated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Use dry chemical powder, foam, polymer foam, water spray or fog type extinguishers. Water may be ineffective on fire. However, water spray may be used to extinguish fires and to absorb heat. Keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

Hazards from combustion products;

Not 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.
Hazachem code; None Assigned.

6. ACCIDENTAL RELEASE MEASURES

Emergency Precautions
Personnel involved in the clean up should wear full protective clothing. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may slippery. Stop leak if safe to do so. Do not let product reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.
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 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.
Storage
Store in a tightly closed container. Keep from contact with oxidizing materials. Store in cool, dry, well ventilated area away from incompatible substances. Keep containers closed at all times, check regularly for leak.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards
No Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) has been set by the Occupational Safety and Health Service, NZ Department of Labour for this substance.
Biological limit values
None established
Engineering Controls
The use of local exhaust ventilation is recommended to control process emissions near the sources. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof ventilation equipment
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;
Always use safety glasses or a face shield when handling this product.
Skin/Body Protection;
Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when manufacturing this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance;	yellow viscous liquid
Physical State;	Liquid
Odour;	Orange
pH;	7(+/-) 0.5
Solubility;	soluble in water
Vapour Density;	Not applicable
Boiling point;	>100 deg
Freezing Point;	Not applicable
Ignition Point;	Not applicable
Flash Point;	Not applicable
Specific Gravity;	1.03
Vapour pressure;	Not applicable
% Volatilities	

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at room temperature and pressure.

Conditions to avoid:	Avoid excessive heat, direct sunlight, moisture, high temperatures.
Incompatible Materials:	Incompatible with oxidizing agents, acidic agents, including acidic clays, and sources of ignition.
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

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 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 to eyes but will not permanently damage eye tissue.

Skin Contact

This product is irritating to skin and may result in dryness and cracking of skin.

Inhalation

Irritating to respiratory tract. Exposure to high concentrations over an extended period of time may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

12. ECOLOGICAL INFORMATION

Persistence/ degradability	the substance is aerobically readily biodegradable and anaerobically biodegradable.
Mobility:	No data available for this product.

13. DISPOSAL COSIDERATIONS

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.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

HSNO Approval No: HSR002530
Group Standard: Cleaning Products (Subsidiary Hazard) Group Standard 2006
HSNO Classification: 6.1E, 6.3A, 6.4A

16. OTHER INFORMATION

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 particular 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 is in compliance with appropriate Local Councils regulations.

Prepared by M. Derballa Bsc.