SAFETY DATA SHEET

Product Name: **Laundex Concentrated Laundry Powder**

1. PRODUCT AND COMPANY IDENTIFICATION

Recommended use	Concentrated Laundry Powder
Company Details:	Advance International Cleaning System
Address:	663 Great South Road, Penrose Auckland. New Zealand
Telephone Number:	+64 9 525 3792
Emergency Telephone Number:	National Poison Information Centre 0800 764 766
Date of Preparation:	1/10/2012

2. HAZARD IDENTIFICATION

HSNO Hazard Classification:, 6.1E (oral), 6.3A, 6.4A, 6.5B

WARNING

Hazard Statement:

- H302 Harmful if inhaled
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes eye irritation

Prevention Statement:

- Read label before use
- Keep out of reach of children
- Wear eye/face protection
- Store in well ventilated place

Response Statement:

- Wash with plenty of soap and water
- Avoid breathing dust/mist or vapour
- Wash hand thoroughly after handling
- If in eyes, rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do so, continue rinsing
- Disposal should be through suitably qualified contractor

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	Concentration %
Sodium Sulphate	7757-82-6	40-50%
Sodium Citrate	68-04-2	10-15%
Sodium Carbonate	497-19-8	10-12%
Sodium Silicate	6834-92-0	10-15%
Fragrance	-	<0.5%
Enzymes	9001-92-7 & 9001-62-1	<2%

4. FIRST AID MEASURES

Ingestion:

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical aid immediately.

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. Do not rub eyes or keep eyes closed.

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.

FIRE FIGHTING MEASURE

Extinguishing Media:

Use dry chemical powder, foam, polymer foam, and 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:

This product is 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.

Hazchem code:

None Assigned.

5. 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.

6. 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 cool, dry, well-ventilated area away from incompatible substances. Keep containers closed at all times, check regularly for leak.

7. 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.

Biological Limit Values:

None established.

Engineering Controls:

The use of local exhaust ventilation is recommended to control process emissions near the source. 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.

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white powder
Physical State:	powder
Odour:	Ocean Breeze
pH:	10.2 +/- 0.5 at 10% dilution
Solubility:	soluble in water
Vapour Density:	Not available
Boiling point:	>100 deg
Freezing Point:	degree
Ignition Point:	Not available
Flash Point:	Not available
Specific Gravity:	1.00
Vapour pressure:	Not available
% Volatilities	

9. 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.

10. 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 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 is irritating to 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.

11. ECOLOGICAL INFORMATION

Persistence/ degradability:	The substance is aerobically readily biodegradable.
Mobility:	No data available for this product. Avoid contaminating waterways.

12. 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.

13. 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

14. REGULATORY INFORMATION

HSNO Approval No:	HSR002530
Group Standard:	Cleaning Products (subsidiary) Group Standard 2006
HSNO Classification:	6.1E, 6.3A, 6.4A, 6.5B

15. 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 B. Sc.