SAFETY DATA SHEET

Product Name **CLAX LAUNDRY PRESOAK**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name	**DIVERSEY NEW ZEALAND LTD**
Address	3 Diversey Lane, Wiri, Manukau, NEW ZEALAND, 2025
Telephone	+64 9 278 2119
Fax	+64 9 278 4286
Emergency	0800 243 622
Web Site	http://www.diversey.com
Synonym(s)	ALL PACK SIZES
Use(s)	CLEANING AGENT
SDS Date	08 Mar 2010

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO HAZARDOUS SUBSTANCES [CLASSIFICATION] REGULATIONS 2001

HSNO CLASSIFICATION

6.1D	Substances that are acutely toxic.
6.1E	
6.9B (Single exposure)	Substances that are harmful to human target organs or systems.
8.1A	Substances that are corrosive to metals.
8.2C	Substances that are corrosive to dermal tissue.
8.3A	Substances that are corrosive to ocular tissue.

HAZARD STATEMENT

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H371	May cause damage to organs.

PREVENTION STATEMENT

P102	Keep out of reach of children (applies only where the substance is available to the general public).
P103	Read label before use (applies only where the substance is available to the general public).
P234	Keep only in original container.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE STATEMENT

P101	If medical advice is needed, have product container or label at hand (applies only where the substance is available to the general public).
P310	Immediately call a POISON CENTER or doctor/physician.

P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment is advised - see first aid instructions.
P330	Rinse mouth.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position 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.
P309 + P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

STORAGE STATEMENT

P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.

DISPOSAL STATEMENT

P501	In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE:DANGEROUS GOODS 2005; NZS 5433:2007, UN, IMDG OR IATA

UN No.	3262	**DG Class**	8	**Subsidiary Risk(s)**	None Allocated
Packing Group	III	**Hazchem Code**	2X	**EPG**	8A1

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content
SODIUM CARBONATE	497-19-8	15-30%
SODIUM METASILICATE ANHYDROUS	6834-92-0	5-15%
SODIUM PERCARBONATE	15630-89-4	15-30%
SODIUM TRIPOLYPHOSPHATE	7758-29-4	15-30%
PARAFFIN OIL	8012-95-1	<5%
SODIUM SILICATE	1344-09-8	<5%

4. FIRST AID MEASURES

Eye If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre on 0800 764 766 (0800 POISON) or +643 479 7248 (New Zealand) or a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre on 0800 764 766 (0800 POISON) or +643 479 7248 (New Zealand) or a doctor.

Ingestion For advice, contact a Poisons Information Centre on 0800 764 766 (0800 POISON) or +643 479 7248 (New Zealand) or a doctor (at once). If swallowed, do not induce vomiting.

Advice to Doctor Treat symptomatically

First Aid Facilities Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

Flammability Non flammable. May evolve toxic gases if strongly heated.

Fire and Explosion No fire or explosion hazard exists.

Extinguishing Prevent contamination of drains or waterways.

Hazchem Code 2X

6. ACCIDENTAL RELEASE MEASURES

Spillage If spilt (bulk), notify local authorities where appropriate. Collect and reuse where possible. Use personal protective equipment. Contain spillage, then collect and place in suitable containers for disposal. Clean spill site with soap solution.

7. STORAGE AND HANDLING

Storage Store in a cool, dry, well ventilated area, removed from oxidising agents, acids, active metals, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

Handling Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Stds

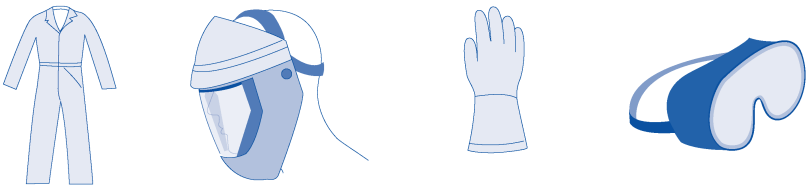
Ingredient	Reference	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
Oil mist, mineral	WES (NZ)	--	5	--	10

SODIUM CARBONATE

ES-TWA: 10 mg/m3 (Total dust)

Engineering Controls Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

PPE Wear dust-proof goggles, rubber or PVC gloves, coveralls and a faceshield. When using large quantities or where heavy contamination is likely, wear: a PVC apron and boots. At high dust levels, wear: an Air-line respirator. Where an inhalation risk exists, wear: a Class P1 (Particulate) respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	WHITE SOLID	**Solubility (Water)**	SOLUBLE
Odour	CHARACTERISTIC ODOUR	**Specific Gravity**	NOT AVAILABLE
pH	11.0 - 11.5 (1 % solution)	**% Volatiles**	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE	**Flammability**	NON FLAMMABLE
Vapour Density	NOT AVAILABLE	**Flash Point**	NOT RELEVANT
Boiling Point	NOT AVAILABLE	**Upper Explosion Limit**	NOT RELEVANT
Melting Point	NOT AVAILABLE	**Lower Explosion Limit**	NOT RELEVANT
Evaporation Rate	NOT AVAILABLE		

10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended conditions of storage.

Conditions to Avoid Avoid heat, sparks, open flames and other ignition sources.

Material to Avoid Incompatible with oxidising agents (eg. hypochlorites), acids (eg. nitric acid), metals, heat and ignition sources.

Hazardous Decomposition Products May evolve toxic gases if heated to decomposition.

Polymerization Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary This product has the potential to cause adverse health effects. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure may result in corrosive tissue damage.

Eye Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.

Inhalation Over exposure may result in irritation of the nose and throat, coughing and bronchitis. High level exposure may result in intense thirst, ulceration, lung tissue damage, chemical pneumonitis and pulmonary oedema. Effects may be delayed.

Skin Contact may result in irritation, redness, pain, rash, dermatitis and possible burns. Effects may be delayed.

Ingestion Ingestion may result in burns to the mouth and throat, nausea, vomiting, abdominal pain and ulceration. Ingestion is considered unlikely due to product form.

Toxicity Data

SODIUM CARBONATE (497-19-8)
- LC50 (Inhalation): 800 mg/m3/2 hours (guinea pig)
- LD50 (Ingestion): 4090 mg/kg (rat)
- LD50 (Intraperitoneal): 117 mg/kg (mouse)
- LD50 (Subcutaneous): 2210 mg/kg (mouse)

SODIUM METASILICATE ANHYDROUS (6834-92-0)
- LD50 (Ingestion): 770 mg/kg (mouse)
- LDLo (Ingestion): 250 mg/kg (dog)
- LDLo (Intraperitoneal): 200 mg/kg (guinea pig)
- TDLo (Ingestion): 15 g/kg (rat)

SODIUM PERCARBONATE (15630-89-4)
- LD50 (Ingestion): 2200 mg/kg (mouse)
- LD50 (Intraperitoneal): 542 mg/kg (rat)

SODIUM TRIPOLYPHOSPHATE (7758-29-4)
- LD50 (Ingestion): 3100 mg/kg (mouse)
- LD50 (Intraperitoneal): 525 mg/kg (rat)
- LD50 (Intravenous): 71 mg/kg (mouse)
- LD50 (Subcutaneous): 750mg/kg (guinea pig)

PARAFFIN OIL (8012-95-1)
- LD50 (Ingestion): 22 g/kg (mouse)
- TCLo (Inhalation): 5 mg/m3/5 years (human - tumours)
- TDLo (Intraperitoneal): 14 g/kg (mouse)
- TDLo (Skin): 332 g/kg/20 weeks (mouse - tumours)

SODIUM SILICATE (1344-09-8)
- LD50 (Ingestion): 1100 mg/kg (mouse)
- LDLo (Ingestion): 250 mg/kg (dog)

12. ECOLOGICAL INFORMATION

Environment WATER: If released to waterways, alkaline products may change the pH of the waterway. Fish will die if the pH reaches 10-11 (goldfish 10.9, bluegill 10.5). SOIL: May leach to groundwater with toxic effects on aquatic life as above. ATMOSPHERE: Not expected to reside in the atmosphere. Drops or particles released to atmosphere should be removed by gravity and/or be rained out. The surfactants in this product are biodegradable in compliance with the requirements of the EC Directives 73/4040/EEC and 73/405/EEC and their subsequent amendments.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Neutralise with dilute acid (eg. 3 mol/L hydrochloric acid) or similar. For small amounts absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE:DANGEROUS GOODS 2005; NZS 5433:2007, UN, IMDG OR IATA

Shipping Name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.				
UN No.	3262	**DG Class**	8	**Subsidiary Risk(s)**	None Allocated
Packing Group	III	**Hazchem Code**	2X	**EPG**	8A1

IATA

Shipping Name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.				
UN No.	3262	**DG Class**	8	**Subsidiary Risk(s)**	None Allocated
Packing Group	III				

IMDG

Shipping Name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.				
UN No.	3262	**DG Class**	8	**Subsidiary Risk(s)**	None Allocated
Packing Group	III				

15. REGULATORY INFORMATION

Approval Code HSR002526

Group Name Cleaning Products (Corrosive) Group Standard 2006

HSNO Controls **Refer to the ERMA website for more information: www.ermanz.govt.nz**

16. OTHER INFORMATION

Additional Information

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

WORKPLACE CONTROLS AND PRACTICES: Unless a less toxic chemical can be substituted for a hazardous substance, ENGINEERING CONTROLS are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

ABBREVIATIONS:
ADB - Air-Dry Basis.
BEI - Biological Exposure Indice(s)
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.
CNS - Central Nervous System.
EINECS - European INventory of Existing Commercial chemical Substances.
IARC - International Agency for Research on Cancer.
M - moles per litre, a unit of concentration.
mg/m3 - Milligrams per cubic metre.
NOS - Not Otherwise Specified.
NTP - National Toxicology Program.
OSHA - Occupational Safety and Health Administration.
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm - Parts Per Million.
RTECS - Registry of Toxic Effects of Chemical Substances.
TWA/ES - Time Weighted Average or Exposure Standard.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Report Status

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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End of Report