



SAFETY DATA SHEET

Product Name **CLAX CONTRACT 3UP1**

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) ALKALINE DETERGENT • LAUNDRY DETERGENT
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.
6.9B (Single exposure) Substances that are harmful to human target organs or systems.
8.2C Substances that are corrosive to dermal tissue.
8.3A Substances that are corrosive to ocular tissue.
9.3C Substances that are harmful to terrestrial vertebrates.

HAZARD STATEMENT

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H371 May cause damage to organs.
H433 Harmful to terrestrial vertebrates.

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).
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.
P273 Avoid release to the environment. This statement does not apply where this is the intended use.
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.
P321 Specific treatment is advised - see first aid instructions.
P330 Rinse mouth.

CHEM ALERT

Product Name CLAX CONTRACT 3UP1

P363	Wash contaminated clothing before reuse.
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.

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.	3266	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	<10%
SODIUM METASILICATE	10213-79-3	>60%
SODIUM TRIPOLYPHOSPHATE	7758-29-4	10-30%
ALCOHOLS, C9-11, ETHOXYLATED PROPOXYLATED	103818-93-5	<5%
SODIUM CARBOXYMETHYL CELLULOSE	9004-32-4	<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.

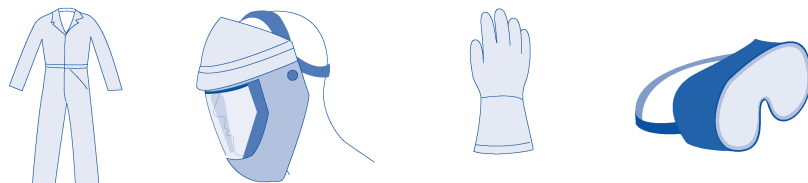
Handling Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Stds 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	OFF WHITE POWDER	Solubility (Water)	100 g/L
Odour	SLIGHT ODOUR	Specific Gravity	NOT AVAILABLE
pH	12 - 13 (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	<p>SODIUM CARBONATE (497-19-8)</p> <p>LC50 (Inhalation): 800 mg/m³/2 hours (guinea pig)</p> <p>LD50 (Ingestion): 4090 mg/kg (rat)</p> <p>LD50 (Intraperitoneal): 117 mg/kg (mouse)</p> <p>LD50 (Subcutaneous): 2210 mg/kg (mouse)</p> <p>SODIUM METASILICATE (10213-79-3)</p> <p>LD50 (Ingestion): 770 mg/kg (mouse - gastrointestinal ulceration)</p> <p>LDLo (Ingestion): 250 mg/kg (dog - lungs, gastrointestinal, kidney)</p> <p>TDL0 (Ingestion): 15 g/kg (rat - effects on newborn)</p> <p>SODIUM TRIPOLYPHOSPHATE (7758-29-4)</p> <p>LD50 (Ingestion): 3100 mg/kg (mouse)</p> <p>LD50 (Intraperitoneal): 525 mg/kg (rat)</p> <p>LD50 (Intravenous): 71 mg/kg (mouse)</p> <p>LD50 (Subcutaneous): 750mg/kg (guinea pig)</p> <p>SODIUM CARBOXYMETHYL CELLULOSE (9004-32-4)</p> <p>LD50 (Ingestion): 16000 mg/kg (guinea pig)</p> <p>LD50 (Skin): > 2000 mg/kg (rabbit)</p> <p>TDL0 (Ingestion): 140 mg/kg (rat)</p>

12. ECOLOGICAL INFORMATION

Environment	<p>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.</p>
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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 LIQUID, BASIC, INORGANIC, N.O.S.				
UN No.	3266	DG Class	8	Subsidiary Risk(s)	None Allocated
Packing Group	III	Hazchem Code	2X	EPG	8A1
IATA					
Shipping Name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.				
UN No.	3266	DG Class	8	Subsidiary Risk(s)	None Allocated
Packing Group	III				

Product Name **CLAX CONTRACT 3UP1**

IMDG
Shipping Name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
UN No. 3266 **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.

Product Name **CLAX CONTRACT 3UP1**

Prepared By Risk Management Technologies
5 Ventnor Ave, West Perth
Western Australia 6005
Phone: +61 8 9322 1711
Fax: +61 8 9322 1794
Email: info@rmt.com.au
Web: www.rmt.com.au

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End of Report