



SAFETY DATA SHEET

Product Name OPTIMO LAUNDRY POWDER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name DIVERSEY NEW ZEALAND LTD
Address 3 Diversey Lane, Manukau Central, Auckland, 2025, NEW ZEALAND
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) LAUNDRY POWDER • WASHING POWDER
SDS Date 05 February 2013

2. HAZARDS IDENTIFICATION

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

HSNO CLASSIFICATION

6.1E Substances that are acutely toxic.
6.3A Substances that are irritating to the skin.
8.3A Substances that are corrosive to ocular tissue.

HAZARD STATEMENT

H303 May be harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.

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).
P264 Wash thoroughly after handling.
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.
P362 Take off contaminated clothing and wash before re-use.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
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 advice/ attention.

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.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Identification	Content
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Product Name OPTIMO LAUNDRY POWDER

SODIUM CARBONATE	CAS: 497-19-8 EC: 207-838-8	10 to 30%
SODIUM ALKYL BENZENE SULPHONATE	CAS: 68411-30-3 EC: 270-115-0	10 to 30%
SODIUM TRIPOLYPHOSPHATE	CAS: 7758-29-4 EC: 231-838-7	10 to 30%
SODIUM SILICATE	CAS: 1344-09-8 EC: 215-687-4	1 to 10%
NON HAZARDOUS INGREDIENTS	Not Available	Remainder

4. FIRST AID MEASURES

Eye	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, 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 or a doctor.
Ingestion	For advice, contact the National Poisons Centre at 0800 764 766 (0800 POISON) or +643 479 7248 or a doctor (at once).
Advice to Doctor	Treat symptomatically.
First Aid Facilities	Eye wash facilities should be available.

5. FIRE FIGHTING MEASURES

Flammability	Non flammable. May evolve toxic gases if strongly heated.
Fire and Explosion	Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Extinguishing	Use an extinguishing agent suitable for the surrounding fire.
Hazchem Code	None Allocated

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear Personal Protective Equipment (PPE) as detailed in Section 8 of this SDS. Clear area of all unprotected personnel. Contact emergency services where appropriate.
Environmental Precautions	Prevent product from entering drains and waterways.
Methods of Cleaning Up	Contain spillage, then collect and place in suitable containers for disposal. Avoid generating dust.
References	See Sections 8 and 13 for exposure controls and disposal.

7. STORAGE AND HANDLING

Storage	Store in a cool, dry, well ventilated area, removed from oxidising agents, acids and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.
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 Standards	No exposure standard(s) allocated.
Biological Limits	No biological limit allocated.
Engineering Controls	Avoid inhalation. Use in well ventilated areas. Maintain dust levels below the recommended exposure standard.

PPE

Eye / Face	When using large quantities or where heavy contamination is likely, wear dust-proof goggles.
Hands	When using large quantities or where heavy contamination is likely, wear PVC or rubber gloves.
Body	Not required under normal conditions of use.
Respiratory	Where an inhalation risk exists, wear a Class P1 (Particulate) respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	WHITE POWDER WITH BLUE SPECKLES
Odour	CHARACTERISTIC ODOUR
Flammability	NON FLAMMABLE
Flash point	NOT RELEVANT
Boiling point	NOT AVAILABLE
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
pH	10 to 11 (1 % solution)
Vapour density	NOT AVAILABLE
Specific gravity	NOT AVAILABLE
Solubility (water)	SOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Partition coefficient	NOT AVAILABLE
% Volatiles	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) and acids (eg. nitric acid).
Hazardous Decomposition Products	May evolve toxic gases if heated to decomposition.
Hazardous Reactions	Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and inhalation. Dilution may reduce the potential for adverse health effects.												
Eye	Contact may result in irritation, lacrimation, pain, redness, conjunctivitis and possible burns.												
Inhalation	Over exposure may result in irritation of the nose and throat, with coughing.												
Skin	Contact may result in irritation, redness, pain, rash and possible burns.												
Ingestion	Ingestion may result in ulceration and burns to the mouth and throat, nausea, vomiting, abdominal pain and diarrhoea.												
Toxicity Data	<p>SODIUM CARBONATE (497-19-8)</p> <table><tr><td>LC50 (inhalation)</td><td>800 mg/m³/2 hours (guinea pig)</td></tr><tr><td>LD50 (ingestion)</td><td>4090 mg/kg (rat)</td></tr><tr><td>LD50 (intraperitoneal)</td><td>117 mg/kg (mouse)</td></tr><tr><td>LD50 (subcutaneous)</td><td>2210 mg/kg (mouse)</td></tr></table> <p>SODIUM ALKYL BENZENE SULPHONATE (68411-30-3)</p> <table><tr><td>LD50 (ingestion)</td><td>404mg/kg (rat)</td></tr><tr><td>LD50 (skin)</td><td>810 mg/kg (rat-subcutaneous)</td></tr></table> <p>SODIUM TRIPOLYPHOSPHATE (7758-29-4)</p>	LC50 (inhalation)	800 mg/m ³ /2 hours (guinea pig)	LD50 (ingestion)	4090 mg/kg (rat)	LD50 (intraperitoneal)	117 mg/kg (mouse)	LD50 (subcutaneous)	2210 mg/kg (mouse)	LD50 (ingestion)	404mg/kg (rat)	LD50 (skin)	810 mg/kg (rat-subcutaneous)
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Product Name **OPTIMO LAUNDRY POWDER**

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)
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.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Ensure product is covered with moist soil to prevent dust generation and dispose of to approved Council landfill. Contact the manufacturer if additional information is required.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005; NZS 5433:2007, UN, IMDG OR IATA

	LAND TRANSPORT (NZS 5433)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
UN Number	None Allocated	None Allocated	None Allocated
Proper Shipping Name	None Allocated	None Allocated	None Allocated
DG Class/ Division	None Allocated	None Allocated	None Allocated
Subsidiary Risk(s)	None Allocated	None Allocated	None Allocated
Packing Group	None Allocated	None Allocated	None Allocated
Hazchem Code	None Allocated		

15. REGULATORY INFORMATION

Approval Code HSR002530
Group Name Cleaning Products (Subsidiary Hazard) Group Standard 2006
Inventory Listing(s) **NEW ZEALAND: NZIoC (New Zealand Inventory of Chemicals)**
All components are listed on the NZIoC inventory, or are exempt.

16. OTHER INFORMATION

Additional Information **PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**
The recommendation for protective equipment contained within this 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.

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 ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

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Abbreviations	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CCID	Chemical Classification and Information Database (HSNO)
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	ERMANZ	Environmental Risk Management Authority (New Zealand)
	GHS	Globally Harmonized System
	HSNO	Hazardous Substances and New Organisms
	IARC	International Agency for Research on Cancer
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m ³	Milligrams per Cubic Metre
	PEL	Permissible Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
TLV	Threshold Limit Value	
TWA/OEL	Time Weighted Average or Occupational Exposure Limit	

Revision History

Revision	Description
1.2	Standard SDS Review
1.1	Standard SDS Review
1.0	Initial SDS creation

Report Status

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

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier 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, importer or supplier.

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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Revision: 1.2
SDS Date: 05 February 2013

End of SDS