



SAFETY DATA SHEET

Product Name **OPTIMO LAUNDRY POWDER (TOP LOADER)**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier name DIVERSEY AUSTRALIA PTY. LIMITED
Address 29 Chifley St, Smithfield, NSW, 2164, AUSTRALIA
Telephone (02) 9757 0300
Fax (02) 9725 5767
Emergency 1800 033 111 (24 hrs)
Email aucustserv@diversey.com
Web site <http://www.diversey.com>
Synonym(s) ALL PACK SIZES
Use(s) LAUNDRY POWDER • WASHING POWDER
SDS date 01 March 2013

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

RISK PHRASES

R41 Risk of serious damage to eyes.

SAFETY PHRASES

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

| | | | |
|----------------------|----------------|---------------------------|----------------|
| UN number | None Allocated | DG class | None Allocated |
| Packing group | None Allocated | Subsidiary risk(s) | None Allocated |
| Hazchem code | None Allocated | | |

3. COMPOSITION/ INFORMATION ON INGREDIENTS

| Ingredient | Identification | Classification | Content |
|---------------------------------|----------------------------------|----------------|-----------|
| SODIUM CARBONATE | CAS: 497-19-8 EC: 207-838-8 | Xi;R36 | 10 to 30% |
| SODIUM ALKYL BENZENE SULPHONATE | CAS: 68411-30-3 EC: 270-115-0 | Not Available | 10 to 30% |
| SODIUM TRIPOLYPHOSPHATE | CAS: 7758-29-4 EC: 231-838-7 | Not Available | 10 to 30% |
| SODIUM SILICATE | CAS: 1344-09-8 EC: 215-687-4 | Not Available | 1 to 10% |
| NON HAZARDOUS INGREDIENTS | Not Available | 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.

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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 a Poison Information Centre on 13 11 26 (Australia Wide) 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

| Ingredient | Reference | TWA | | STEL | |
|-------------------------------|-----------|-----|-------------------|------|-------------------|
| | | ppm | mg/m ³ | ppm | mg/m ³ |
| Sodium Carbonate (total dust) | SWA (AUS) | -- | 10 | -- | -- |

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

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| | |
|----------------------------------|-------------------------|
| 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> <table><tr><td>LD50 (ingestion)</td><td>3100 mg/kg (mouse)</td></tr><tr><td>LD50 (intraperitoneal)</td><td>525 mg/kg (rat)</td></tr><tr><td>LD50 (intravenous)</td><td>71 mg/kg (mouse)</td></tr><tr><td>LD50 (subcutaneous)</td><td>750mg/kg (guinea pig)</td></tr></table> <p>SODIUM SILICATE (1344-09-8)</p> <table><tr><td>LD50 (ingestion)</td><td>1100 mg/kg (mouse)</td></tr><tr><td>LDLo (ingestion)</td><td>250 mg/kg (dog)</td></tr></table> | 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) | LD50 (ingestion) | 3100 mg/kg (mouse) | LD50 (intraperitoneal) | 525 mg/kg (rat) | LD50 (intravenous) | 71 mg/kg (mouse) | LD50 (subcutaneous) | 750mg/kg (guinea pig) | LD50 (ingestion) | 1100 mg/kg (mouse) | LDLo (ingestion) | 250 mg/kg (dog) |
| 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) | | | | | | | | | | | | | | | | | | | | | | | | |
| LD50 (ingestion) | 3100 mg/kg (mouse) | | | | | | | | | | | | | | | | | | | | | | | | |
| LD50 (intraperitoneal) | 525 mg/kg (rat) | | | | | | | | | | | | | | | | | | | | | | | | |
| LD50 (intravenous) | 71 mg/kg (mouse) | | | | | | | | | | | | | | | | | | | | | | | | |
| LD50 (subcutaneous) | 750mg/kg (guinea pig) | | | | | | | | | | | | | | | | | | | | | | | | |
| LD50 (ingestion) | 1100 mg/kg (mouse) | | | | | | | | | | | | | | | | | | | | | | | | |
| LDLo (ingestion) | 250 mg/kg (dog) | | | | | | | | | | | | | | | | | | | | | | | | |

12. ECOLOGICAL INFORMATION

| | |
|-----------------|--------------------------|
| Toxicity | No information provided. |
|-----------------|--------------------------|

Product Name **OPTIMO LAUNDRY POWDER (TOP LOADER)**

Persistence and degradability No information provided.

Bioaccumulative potential No information provided.

Mobility in soil No information provided.

Other adverse effects 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 BY THE CRITERIA OF THE ADG CODE

| | LAND TRANSPORT (ADG) | 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

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Inventory Listing(s) **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**
All components are listed on AICS, 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.

Product Name OPTIMO LAUNDRY POWDER (TOP LOADER)

| | | |
|----------------------|-------------------|---|
| Abbreviations | ACGIH | American Conference of Governmental Industrial Hygienists |
| | CAS # | Chemical Abstract Service number - used to uniquely identify chemical compounds |
| | CNS | Central Nervous System |
| | EC No. | EC No - European Community Number |
| | GHS | Globally Harmonized System |
| | 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) |
| | SUSMP | Standard for the Uniform Scheduling of Medicines and Poisons |
| | 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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End of SDS