



## SAFETY DATA SHEET

Product Name **SUN ALL IN 1 TABLETS**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name** DIVERSEY AUSTRALIA PTY. LIMITED  
**Address** 29 Chifley St, Smithfield, NSW, AUSTRALIA, 2164  
**Telephone** (02) 9757 0300  
**Fax** (02) 9725 5767  
**Emergency** 1800 033 111 (24 hrs)  
**Email** [aucustserv@diversey.com](mailto:aucustserv@diversey.com)  
**Web Site** [www.diversey.com](http://www.diversey.com)  
**Synonym(s)** ALL PACK SIZES  
**Use(s)** DISHWASHING TABLET  
**SDS Date** 21 May 2012

### 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  
S39 Wear eye/face protection.

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

|                      |                |                           |                |
|----------------------|----------------|---------------------------|----------------|
| <b>UN Number</b>     | None Allocated | <b>DG Class</b>           | None Allocated |
| <b>Packing Group</b> | None Allocated | <b>Subsidiary Risk(s)</b> | None Allocated |
| <b>Hazchem Code</b>  | None Allocated |                           |                |

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

| Ingredient                | Identification                   | Classification  | Content   |
|---------------------------|----------------------------------|---|-----------|
| SODIUM CARBONATE          | CAS: 497-19-8<br>EC: 207-838-8   | Xi;R36  | 15 - 30%  |
| SUBTILISIN                | CAS: 9014-01-1<br>EC: 232-752-2  | Xi;R37/38 Xi;R41<br>Xn;R42 ;S2 ;S22 ;S24<br>;S26 ;S36/37/39 | <1%       |
| SODIUM PERCARBONATE       | CAS: 15630-89-4<br>EC: 239-707-6 | Not Available   | 5 - 15%   |
| SODIUM DISILICATE         | CAS: 13870-28-5<br>EC: 237-623-4 | Not Available   | 1 - 5%    |
| NON HAZARDOUS INGREDIENTS | Not Available                    | Not Available   | Remainder |

### 4. FIRST AID MEASURES

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|                             |  |
|-----------------------------|--|
| <b>Eye</b>                  | 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.                 |
| <b>Inhalation</b>           | If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.  |
| <b>Skin</b>                 | 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. |
| <b>Ingestion</b>            | For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.  |
| <b>Advice to Doctor</b>     | Treat symptomatically.   |
| <b>First Aid Facilities</b> | Eye wash facilities should be available.   |

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**5. FIRE FIGHTING MEASURES**

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|                           |   |
|---------------------------|---|
| <b>Flammability</b>       | Non flammable. May evolve toxic gases if strongly heated. |
| <b>Fire and Explosion</b> | No fire or explosion hazard exists.                       |
| <b>Extinguishing</b>      | Prevent contamination of drains or waterways.             |
| <b>Hazchem Code</b>       | None Allocated  |

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**6. ACCIDENTAL RELEASE MEASURES**

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|                 |   |
|-----------------|---|
| <b>Spillage</b> | If spilt (bulk), use personal protective equipment. Ventilate area where possible. Contain spillage, then collect and place in suitable containers for disposal. Avoid generating dust. |
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**7. STORAGE AND HANDLING**

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|-----------------|---|
| <b>Storage</b>  | Store in a cool, dry, well ventilated area, removed from oxidising agents, acids and foodstuffs. Ensure containers are adequately labelled and tightly closed when not in use.  |
| <b>Handling</b> | 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. |

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure Standards**

| Ingredient                    | Reference | TWA |                   | STEL |                   |
|-------------------------------|-----------|-----|-------------------|------|-------------------|
|                               |           | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Sodium Carbonate (total dust) | SWA (AUS) | --  | 10                | --   | --                |
| Subtilisins                   | SWA (AUS) | --  | 6E-5              | --   | --                |

|                             |   |
|-----------------------------|---|
| <b>Biological Limits</b>    | No biological limit allocated.                  |
| <b>Engineering Controls</b> | Avoid inhalation. Use in well ventilated areas. |

|                    |  |
|--------------------|--|
| <b>PPE</b>         |  |
| <b>Eye / Face</b>  | When using large quantities or where heavy contamination is likely, wear safety glasses. |
| <b>Hands</b>       | Individuals with sensitive skin should consider wearing PVC or rubber gloves.            |
| <b>Body</b>        | Not required under normal conditions of use.   |
| <b>Respiratory</b> | Where an inhalation risk exists, wear a Class P1 (Particulate) respirator.               |

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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|                         |                     |
|-------------------------|---------------------|
| <b>Appearance</b>       | WHITE/GREEN TABLETS |
| <b>Odour</b>            | SLIGHT ODOUR        |
| <b>Flammability</b>     | NON FLAMMABLE       |
| <b>Flash point</b>      | NOT RELEVANT        |
| <b>Boiling point</b>    | NOT AVAILABLE       |
| <b>Melting point</b>    | NOT AVAILABLE       |
| <b>Evaporation rate</b> | NOT AVAILABLE       |

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|                           |  |
|---------------------------|--|
| pH                        | 10.8 to 10.9 (1% solution); 11.2 (50g/100mL 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  |

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**10. STABILITY AND REACTIVITY**

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|---|---|
| <b>Chemical Stability</b>               | Stable under recommended conditions of storage.                                     |
| <b>Conditions to Avoid</b>              | Avoid contact with incompatible substances.   |
| <b>Material to Avoid</b>                | Incompatible with oxidising agents (eg. hypochlorites) and acids (eg. nitric acid). |
| <b>Hazardous Decomposition Products</b> | May evolve toxic gases if heated to decomposition.                                  |
| <b>Hazardous Reactions</b>              | Polymerization is not expected to occur.  |

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**11. TOXICOLOGICAL INFORMATION**

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|                              |   |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |
|------------------------------|---|-------------------|---|------------------|------------------|------------------------|-------------------|---------------------|--------------------|------------------|--------------------|------------------------|-----------------|
| <b>Health Hazard Summary</b> | Use safe work practices to avoid eye or skin contact and inhalation. Due to the nature of use, adverse health effects are not anticipated with normal use. Upon dilution, the potential for adverse health effects may be reduced.  |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |
| <b>Eye</b>                   | Contact may result in irritation, lacrimation, pain and redness. Risk of serious damage to eyes.  |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |
| <b>Inhalation</b>            | Over exposure may result in irritation of the nose and throat, coughing, dizziness and headache.  |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |
| <b>Skin</b>                  | Contact may result in irritation, redness, pain and rash.   |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |
| <b>Ingestion</b>             | Ingestion may result in burns to the mouth and throat, nausea, vomiting and abdominal pain.   |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |
| <b>Toxicity Data</b>         | <p>SODIUM CARBONATE (497-19-8)</p> <table><tr><td>LC50 (inhalation)</td><td>800 mg/m<sup>3</sup>/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 PERCARBONATE (15630-89-4)</p> <table><tr><td>LD50 (ingestion)</td><td>2200 mg/kg (mouse)</td></tr><tr><td>LD50 (intraperitoneal)</td><td>542 mg/kg (rat)</td></tr></table> | LC50 (inhalation) | 800 mg/m <sup>3</sup> /2 hours (guinea pig) | LD50 (ingestion) | 4090 mg/kg (rat) | LD50 (intraperitoneal) | 117 mg/kg (mouse) | LD50 (subcutaneous) | 2210 mg/kg (mouse) | LD50 (ingestion) | 2200 mg/kg (mouse) | LD50 (intraperitoneal) | 542 mg/kg (rat) |
| LC50 (inhalation)            | 800 mg/m <sup>3</sup> /2 hours (guinea pig)   |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |
| LD50 (ingestion)             | 4090 mg/kg (rat)  |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |
| LD50 (intraperitoneal)       | 117 mg/kg (mouse)   |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |
| LD50 (subcutaneous)          | 2210 mg/kg (mouse)  |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |
| LD50 (ingestion)             | 2200 mg/kg (mouse)  |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |
| LD50 (intraperitoneal)       | 542 mg/kg (rat)   |                   |   |                  |                  |                        |                   |                     |                    |                  |                    |                        |                 |

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**12. ECOLOGICAL INFORMATION**

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| <b>Environment</b> | Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment. |
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**13. DISPOSAL CONSIDERATIONS**

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|-----------------------|---|
| <b>Waste Disposal</b> | 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. |
| <b>Legislation</b>    | Dispose of in accordance with relevant local legislation.   |

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**14. TRANSPORT INFORMATION**

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**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE****LAND TRANSPORT  
(ADG)****SEA TRANSPORT  
(IMDG / IMO)****AIR TRANSPORT  
(IATA / ICAO)**

**Product Name**      **SUN ALL IN 1 TABLETS**

|                             |                |                |                |
|-----------------------------|----------------|----------------|----------------|
| <b>UN Number</b>            | None Allocated | None Allocated | None Allocated |
| <b>Proper Shipping Name</b> | None Allocated | None Allocated | None Allocated |
| <b>DG Class/ Division</b>   | None Allocated | None Allocated | None Allocated |
| <b>Subsidiary Risk(s)</b>   | None Allocated | None Allocated | None Allocated |
| <b>Packing Group</b>        | None Allocated | None Allocated | None Allocated |
| <b>Hazchem Code</b>         | None Allocated |                |                |

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**15. REGULATORY INFORMATION**

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|-----------------------------|--|
| <b>Poison Schedule</b>      | 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) |
| <b>Inventory Listing(s)</b> | <b>AUSTRALIA: AICS (Australian Inventory of Chemical Substances)</b><br>All components are listed on AICS, or are exempt.                                      |

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**16. OTHER INFORMATION**

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

|                      |                   |   |
|----------------------|-------------------|---|
| <b>Abbreviations</b> | 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   |
|                      | mg/m <sup>3</sup> | 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**

| <b>Revision</b> | <b>Description</b>                       |
|-----------------|--|
| 1.3             | Standard SDS Review                      |
| 1.2             | Standard SDS Review                      |
| 1.1             | Standard SDS Review                      |
| 1.0             | Initial SDS Creation Standard SDS Review |
| 0.1             | Standard SDS Review                      |

**Product Name**      **SUN ALL IN 1 TABLETS**

**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.

**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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**SDS Date:** 21 May 2012

**End of SDS**