SAFETY DATA SHEET

Product Name: ROOM CARE R2-PLUS

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): CLEANING AGENT
SDS date: 03 April 2014

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

RISK PHRASES
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

SAFETY PHRASES
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37/39 Wear suitable gloves and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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

UN number: None Allocated
Packing group: None Allocated
Hazchem code: None Allocated

3. COMPOSITION/ INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Identification</th>
<th>Classification</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIDECYL DIMETHYL AMMONIUM CHLORIDE</td>
<td>CAS: 7173-51-5</td>
<td>Xn;R22 C;R34</td>
<td>3 to 10%</td>
</tr>
<tr>
<td></td>
<td>EC: 230-525-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLY(OXY-1,2-ETHANEDIYL)-TRIDECYL-HYDROXY BRANCHED</td>
<td>CAS: 69011-36-5</td>
<td>Not Available</td>
<td>10 to 20%</td>
</tr>
<tr>
<td></td>
<td>EC: 500-241-6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE</td>
<td>CAS: 68424-85-1</td>
<td>Not Available</td>
<td>3 to 10%</td>
</tr>
<tr>
<td></td>
<td>EC: 270-325-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NON HAZARDOUS INGREDIENTS</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Remainder</td>
</tr>
</tbody>
</table>

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.
5. FIRE FIGHTING MEASURES

Flammability  Non flammable. May evolve toxic gases (carbon/ nitrogen oxides, ammonia, chlorides, hydrocarbons) when heated to decomposition.

Fire and explosion  Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. 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. Ventilate area where possible. Contact emergency services where appropriate.

Environmental precautions  Prevent product from entering drains and waterways.

Methods of cleaning up  Contain spillage, then cover/absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

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 incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate ventilation systems.

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. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

PPE  

Eye / Face  Wear splash-proof goggles.

Hands  Wear PVC or rubber gloves.

Body  Where using large quantities or where heavy contamination is likely, wear coveralls.

Respiratory  Where an inhalation risk exists, wear a Type A (Organic vapour) respirator.
9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: CLEAR GREEN LIQUID
Odour: SLIGHTLY PERFUME ODOUR
Flammability: NON FLAMMABLE
Flash point: NOT RELEVANT
Boiling point: NOT AVAILABLE
Melting point: NOT AVAILABLE
Evaporation rate: NOT AVAILABLE
pH: 11 (Neat)
Vapour density: NOT AVAILABLE
Specific gravity: 1.03
Solubility (water): SOLUBLE
Vapour pressure: NOT AVAILABLE
Upper explosion limit: NOT RELEVANT
Lower explosion limit: NOT RELEVANT
Partition coefficient: NOT AVAILABLE
Autoignition temperature: NOT AVAILABLE
Decomposition temperature: NOT AVAILABLE
Viscosity: 40 mPa·s @ 20°C
Explosive properties: NOT AVAILABLE
Oxidising properties: NOT AVAILABLE
Odour threshold: 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), acids (eg. nitric acid), anionic detergents and heat sources.
Hazardous Decomposition Products: May evolve toxic gases (carbon/ nitrogen oxides, ammonia, chlorides, hydrocarbons) when 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. Upon dilution, the potential for adverse health effects may be reduced. Individuals with pre-existing respiratory impairment (ie. asthma) and skin sensitivities may be more susceptible to adverse effects.
Eye: Contact may result in irritation, lacrimation, pain, redness, conjunctivitis and possible burns.
Inhalation: Over exposure to vapours may result in irritation of the nose and throat, coughing, nausea and headache. Occupational exposure to quaternary ammonium compounds has been reported to cause asthma, although rare. Due to the low vapour pressure, an inhalation hazard is not anticipated with normal use.
Skin: Contact may result in irritation, redness, pain, rash, dermatitis and possible burns.
Ingestion: Ingestion may result in ulceration and burns to the mouth and throat, nausea, vomiting, abdominal pain and diarrhoea.

Toxicity data:
- DIDECYL DIMETHYL AMMONIUM CHLORIDE (7173-51-5)
  - LD50 (ingestion): 84 mg/kg (rat)
  - LD50 (intraperitoneal): 11 mg/kg (mouse)
  - LDLo (intraperitoneal): 7 mg/kg (guinea pig)
- ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE (68424-85-1)
  - LD50 (ingestion): 426 mg/kg (rat)
  - LD50 (intraperitoneal): 100 mg/kg (rat)

12. ECOLOGICAL INFORMATION
Product Name: ROOM CARE R2-PLUS

Toxicity: No information provided.

Persistence and degradability: No information provided.

Bioaccumulative potential: No information provided.

Mobility in soil: No information provided.

Other adverse effects: Benzalkonium chloride derivatives/quaternary ammonium compounds are commonly used as disinfectants, indicating toxicity to microorganisms.

13. DISPOSAL CONSIDERATIONS

Waste disposal: For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

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

<table>
<thead>
<tr>
<th>LAND TRANSPORT (ADG)</th>
<th>SEA TRANSPORT (IMDG / IMO)</th>
<th>AIR TRANSPORT (IATA / ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None Allocated</td>
<td>None Allocated</td>
<td>None Allocated</td>
</tr>
</tbody>
</table>

DG class/ Division: None Allocated

Subsidiary risk(s): None Allocated

Packing group: None Allocated

Hazchem code: None Allocated

Other information: ADG7 Special Provision AU01: Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in (a) packagings; (b) IBCs; or (c) any other receptacle not exceeding 500 kg(L).

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.
- NEW ZEALAND: NZIoC (New Zealand Inventory of Chemicals)
  - All components are listed on the NZIoC inventory, or are exempt.

16. OTHER INFORMATION

Additional information: BENZALKONIUM CHLORIDE: Benzalkonium chloride can be a severe eye & skin irritant & corrosive. Contact with concentrated solutions can cause deep injury and ulceration (Wahlberg, 1985). A 0.1% concentration will cause mild discomfort to the eye. Ingestion may cause a burning pain in the mouth, throat and abdomen, salivation, low blood pressure, CNS depression, excitement, confusion and weakness, laboured breathing & cyanosis (blue skin due to lack of oxygen in blood) or circulatory shock. When used in low concentrations there is little local or systemic toxicity.

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.
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.

Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>CAS #</td>
<td>Chemical Abstract Service number - used to uniquely identify chemical compounds</td>
</tr>
<tr>
<td>CNS</td>
<td>Central Nervous System</td>
</tr>
<tr>
<td>EC No.</td>
<td>EC No - European Community Number</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>LC50</td>
<td>Lethal Concentration, 50% / Median Lethal Concentration</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal Dose, 50% / Median Lethal Dose</td>
</tr>
<tr>
<td>mg/m³</td>
<td>Milligrams per Cubic Metre</td>
</tr>
<tr>
<td>OEL</td>
<td>Occupational Exposure Limit</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>pH</td>
<td>relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).</td>
</tr>
<tr>
<td>ppm</td>
<td>Parts Per Million</td>
</tr>
<tr>
<td>REACH</td>
<td>Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-Term Exposure Limit</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>Specific target organ toxicity (repeated exposure)</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>Specific target organ toxicity (single exposure)</td>
</tr>
<tr>
<td>SUSMP</td>
<td>Standard for the Uniform Scheduling of Medicines and Poissons</td>
</tr>
<tr>
<td>SWA</td>
<td>Safe Work Australia</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
</tr>
</tbody>
</table>

Revision history

<table>
<thead>
<tr>
<th>Revision</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2</td>
<td>Standard SDS Review</td>
</tr>
<tr>
<td>1.1</td>
<td>Standard SDS Review</td>
</tr>
<tr>
<td>1.0</td>
<td>Initial SDS Creation</td>
</tr>
<tr>
<td>0.1</td>
<td>Standard SDS Review</td>
</tr>
</tbody>
</table>

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.

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
End of SDS