1. PRODUCT AND COMPANY IDENTIFICATION

Product code: Fresh: 0026275, 0026276, 0049972, 0049967, 0052679, 0085639, 0052679, 0085639
Orange: 0026277, 0026278, 0049971, 0049966, 0085640, 0085641, 0085640, 0085641
Green Apple: 0026281, 0026282, 0049973, 0049968, 0085642, 0085643, 0085642, 0085643

Document Code D0012498

Product name: ELECTRASOL AUTOMATIC DISHWASHING DETERGENT, 3 in 1 TABS -all scents-

UPC Number and Size:

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Product Description: Electrasol automatic dishwashing detergent tablet containing a special 3 in 1, pre-measured cleaning agent of concentrated detergent and Powerball rinse agent

Synonyms: No information available

Chemical characterisation: No data is available on the product itself.

Manufacturer: Reckitt Benckiser North America Inc.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, N.J. 07054-0225

Transportation Emergencies: 1-800-424-9300 (U.S. & Canada)
Outside North America Chemtrec: 703-527-3887

Emergency Telephone number: 1-800-228-4722
2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>TLV/PEL</th>
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<tr>
<td>Sodium Carbonate</td>
<td>497-19-8</td>
<td>30 - 40%</td>
<td>None</td>
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<tr>
<td>Sodium Tripolyphosphate</td>
<td>7758-29-4</td>
<td>20 - 30%</td>
<td>None</td>
</tr>
<tr>
<td>Sodium Perborate Monohydrate</td>
<td>10332-33-9</td>
<td>5 – 10%</td>
<td>None</td>
</tr>
<tr>
<td>Sodium Disilicate</td>
<td>1344-09-8</td>
<td>5 – 10%</td>
<td>None</td>
</tr>
<tr>
<td>Sodium Hydrogencarbonate</td>
<td>144-55-8</td>
<td>1 – 5%</td>
<td>None</td>
</tr>
<tr>
<td>Citric Acid Anhydrous</td>
<td>77-92-9</td>
<td>1 – 5%</td>
<td>None</td>
</tr>
<tr>
<td>Protease</td>
<td>9014-01-1</td>
<td>0.1 - 1.0%</td>
<td>60 ng/m³</td>
</tr>
<tr>
<td>Amylase</td>
<td>9000-90-2</td>
<td>0.1 - 1.0%</td>
<td>None</td>
</tr>
</tbody>
</table>

Other ingredients: TAED, Colorant, Perfume, Glycerol

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Harmful if swallowed.
EYE IRRITANT. DO NOT get directly in eyes.
PRODUCT MAY POSE A CHOKING HAZARD TO CHILDREN UNDER 3 YEARS OF AGE.
Contains Sodium Carbonate, Sodium Perborate and enzymes.

KEEP OUT OF REACH OF CHILDREN

4. FIRST AID MEASURES

Inhalation: Move to fresh air.
Skin contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Ingestion: Clean mouth with water and drink afterwards plenty of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.
Eye contact: Rinse immediately with plenty of water, also under the eyelids. Remove any contact lenses. Flush eye with water for 15 minutes. If symptoms persist, call a physician.

Notes to physician: No information available.
Aggravated Medical Conditions: No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: As for surrounding fire.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation.
Environmental precautions: Do not allow material to contaminate ground water system.
Accidental Spill: Collect spilled tablets and return to container. If powder has resulted from broken tablet(s), flush area with water or wipe with absorbent material (wet paper towel). Rinse well and dry floors to avoid slippery condition.

7. HANDLING AND STORAGE

Handling: Harmful if swallowed CAUTION: EYE IRRITANT. DO NOT get directly in the eyes. contains enzymes.
Storage: Store in original container in areas inaccessible to small children and pets. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
Components | CAS-No | TLV/PEL |
---|---|---|
Protease | 9014-01-1 | 60 ng/m³ |

Engineering measures to reduce exposure: Ensure adequate ventilation.

### Personal Protective Equipment

- **Respiratory protection:** Self-contained breathing apparatus (SCBA).
- **Hand protection:** PVC disposable gloves.
- **Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.
- **Eye protection:** Avoid contact with eyes. Safety glasses with side-shields. Emergency responders should wear full eye and face protection.
- **Hygiene measures:** Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical state:** Solid.
- **Appearance:** Solid rectangular tablets with rounded corners composed of a white layer, a smaller blue layer with an embedded pill, either white or red.
- **Colour:** White and blue layered tablet with embedded pill (white or red)
- **Odour:** Perfumed
- **pH:** 10.2 - 10.8 (10% aqueous solution)
- **Autoignition temperature:** No information available.
- **Density:** No information available.
- **Weight:** 20 - 22 g /tablet
- **Vapor density:** Not applicable.
- **Vapour pressure:** Not applicable.
- **Water solubility:** Completely Soluble
- **VOC content(%)**: No information available.
- **Explosion limits:**
  - upper: No data available.
  - lower: No data available.

### 10. STABILITY AND REACTIVITY

- **Stability:** Stable under recommended storage conditions.
- **Polymerization:** Hazardous polymerisation does not occur.
11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information

Product Information

<table>
<thead>
<tr>
<th>LC50/inhalation/4h/rat</th>
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</thead>
<tbody>
<tr>
<td>LD50/dermal/rabbit</td>
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<tr>
<td>LD50/oral/rat</td>
<td>&gt; 2500 mg/kg (calculated based on raw material data).</td>
</tr>
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</table>

Local effects

Skin irritation: None expected during normal conditions of use.

Eye irritation: Irritating to eyes.

Inhalation: Contains enzymes: Avoid breathing dust from broken tablets. May cause mild nasal irritation upon prolonged or repeated contact to the dust in occupational or emergency response situation.

Ingestion: Harmful if swallowed. Will cause burning in mouth and throat. Difficulty swallowing, excessive salivating in infants. Reddening and swelling of mucous membranes of the mouth and throat.

Sensitization: Not expected to be a skin sensitizer.

Chronic toxicity: No information available.

Specific effects

Carcinogenic effects: No ingredient listed as carcinogenic by OSHA, NTP or IARC.

Mutagenic effects: No information available.

Reproductive toxicity: No information available.

Target organ effects: No information available.

Information is based on data on the components and the toxicology of similar products.
12. ECOLOGICAL INFORMATION

Product Information

Mobility: Not applicable.

Bioaccumulative potential: Not applicable.

Ecotoxicity effects: No data available for the mixture.

Aquatic toxicity: No information available for the mixture.

Component Information

Components
Sodium Carbonate
Ecotoxicity: LC50 (fish, 96h) = 320 mg/L

Components
Sodium Tripolyphosphate
Ecotoxicity: EC50 (bacteria, 48h) > 1000 mg/L

Components
Sodium Perborate Monohydrate
Ecotoxicity: LC50 (fish, 96h) = 51 mg/L (Brachydanio rerio)
EC50 (daphnia, 48h) = 11 mg/L (Daphnia magna)
EC50 (algae, 96h) = 12 mg/L (Scenedesmus subspicatus)

Components
Sodium Disilicate
Ecotoxicity: LC50 (fish, 96h) = 3185 mg/L (Brachydanio rerio)
EC50 (daphnia, 48h) = 4857 mg/L (Daphnia magna)

Components
Sodium Hydrogencarbonate
Ecotoxicity: LC50 (fish, 96h) = 8600 mg/L (Lepomis Macrochirus)

Components
Citric Acid anhydrous
Ecotoxicity: = 14 mg/L 15 min EC50 Photobacterium phosphoreum

Components
Protease
Ecotoxicity: The product is not believed to dangerous to the environment with respect to mobility persistence, degradability, bioaccumulative potential, aquatic toxicity, and other data relating to eco-toxicity.

Components
Amylase
Ecotoxicity: The product is not believed to dangerous to the environment with respect to mobility persistence, degradability, bioaccumulative potential, aquatic toxicity, and other data relating to eco-toxicity.

Other information

Ozone depletion potential; ODP; (R-11 = 1) = No information available.
Global warming potential (GWP) = No information available.
Additional ecological information: Information given is based on data on the components and the ecotoxicology of similar products.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Dispose of in accordance with local regulations.
Contaminated packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

General Comments
Not classified as dangerous under DOT, TDG, IMDG, ICAO and ADR/RID transport regulations. For long distance transport of bulk material or shrunk paletts take into consideration sections 7 and 10.

UN No:
No UN-Number allocated

15. REGULATORY INFORMATION

International Inventories

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U.S. Regulations:
SARA Title III, Section 313 Chemical Notification & Release Reporting: None

Canada
WHMIS hazard class: Not determined.
16. OTHER INFORMATION

National Fire Protection Association

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<tr>
<td>Reason for revision:</td>
</tr>
<tr>
<td>Changing Formula codes, see chapter 1. Replacing release 3 dd 05/23/2006</td>
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</table>

Additional advice:
Consult your supplier if the material is to be used for special applications such as in the food industry or for hygiene, medical or surgical end-use.

Prepared by:
Reckitt Benckiser, Regulatory, Safety & Environmental Services Dishwashing
Benckiserplatz 1, D-67059 Ludwigshafen (Rhein), Germany
Contact: Dr. Gerd Hüttmann, Tel. +49 (621) 59146-0, Fax +49 (621) 59146-398

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