



MATERIAL SAFETY DATA SHEET

Validation date: 05/16/2007

Printed: 05/16/2007

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *ELECTRASOL® AUTOMATIC DISHWASHER DETERGENT, Advanced, All Scents*

Product Description: Detergent for domestic dishwashers

UPC Number and Size: 51700-75708 (75 oz.) Lemon Scent
51700-79350 (75 oz.) fresh Scent
51700-76611 (75 oz.) Orange Scent
51700-77412 (75 oz.) Green Apple Scent

Synonyms: No information available.

Chemical characterisation: Mixture of inorganic salts.

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

Formula Number: #0039484: Electrasol Gel Lemon and Fresh
#0041876: Electrasol Gel Orange
#0041878: Electrasol Gel Green Apple
MSDS-code: D0052861, replacing release 02/27/2007
PSDS (EU): not available

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2. COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %	TLV/PEL
TRI POLYPHOSPHATES	7758-29-4	<20	Not available.
SODIUM SILICATE	1344-09-8	<10	Not available
POTASSIUM HYDROXIDE	1310-58-3	1-3	CEIL 2 (mg/m ³) from ACGIH (TLV) [United States]
SODIUM HYPOCHLORITE	7681-52-9	<0.5	Not available

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

- CAUTION: HARMFUL IF SWALLOWED. SKIN AND EYE IRRITANT.

Contains Sodium Silicate.

DO NOT ingest. Avoid contact with skin, eyes, mucous membranes and clothing.

Contains Chlorine Bleach. DO NOT mix with any other product such as hand dishwashing liquids, other cleaning products or ammonia as harmful fumes may result. Not for hand dishwashing.

KEEP OUT OF REACH OF CHILDREN.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air.
Skin contact:	Wash off contamination with plenty of water. If symptoms develop or persist seek medical advice.
Ingestion:	Rinse mouth with water and drink afterwards plenty of water. DO NOT INDUCE VOMITING! Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.
Eye contact:	In case of eye contact, hold eyes open and IMMEDIATELY rinse eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing for at least 15 minutes. Consult a physician immediately.
Notes to physician:	No information available.
Aggravated Medical Conditions:	No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	As for surrounding fire.
Extinguishing media which must not be used for safety reasons:	No information available.
Specific hazards:	Not applicable.

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Unusual hazards:	None known.
Special protective equipment for firefighters:	As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.
Specific methods:	Standard procedure for chemical fires.
Flash point:	Product does not flash.
Autoignition temperature:	Not applicable.
Flammability Limits in Air:	
Lower	No information available
Upper	No information available

NFPA:	
Health	2
Flammability	0
Physical Harzard	0

HMIS:	
Health	2
Flammability	0
Physical Harzard	0

Key: Personal Protection: D. See also section 3

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment.
Environmental precautions:	Prevent further leakage or spillage. Prevent product from entering drains.
Accidental Spill:	<p>Small spills: Wipe up or collect spilled material (gel) with absorbent material and discard in household trash. Flush area with water or wipe with wet paper towel. Rinse floor surfaces well and dry to avoid slippery condition.</p> <p>Large spills: Contain and collect gel and transfer to a suitable container for recycling or disposal. Rinse floors and surfaces with water and wipe dry to avoid slippery condition.</p>

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7. HANDLING AND STORAGE

Handling:

CAUTION: HARMFUL IF SWALLOWED.
SKIN AND EYE IRRITANT.
Contains Sodium Silicate.

DO NOT Ingest. Avoid contact with skin, eyes, mucous membranes and clothing. Contains Chlorine Bleach. DO NOT mix with any other product such as hand dishwashing liquids, other cleaning products or ammonia as harmful fumes may result. Not for hand dishwashing.

Storage:

Store in original container in areas inaccessible to children and pets.

Keep in a cool, well-ventilated place. Keep away from direct sunlight.

KEEP OUT REACH OF CHILDREN!

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection:

Protective gloves. Wash thoroughly with soap and water after handling.

Skin and body protection:

Lightweight protective clothing.

Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

Eye protection:

Wear eye protection when handling. Emergency responders should wear full eye and face protection.

Hygiene measures:

Avoid contact with skin, eyes and clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid.
Appearance:	Translucent thick gel
Colour:	Depending on formula, may or may not also have blue speckles in the liquid.
Odour:	(Lemon scent) Citrus. (Orange scent) Orange. (Green Apple scent) Fruity, apple, pineapple, floral, musk.
Boiling point/range:	Not applicable
Flash point:	> 93 °C (200 °F), closed cup.
pH:	11.9 – 12.3 (100 %)
Alkali/Acid reserve [gNaOH/100g]:	0,9 (Interpretation for Canada: irritant)
Autoignition temperature:	No information available.
Flammability (solid, gas):	Not flammable
Explosive properties:	Not explosive
Oxidising properties:	Not oxidizing
Density:	1100 – 1300 g/l
Viscosity	20000 – 35000 mPa*s (Brookfield, 25 °C, spindle 27, 2,5 rpm)
Vapor density:	Not determined.
Vapour pressure:	Not determined.
Water solubility:	Completely
Fat solubility:	No information available
VOC content(%):	not present
<u>Explosion limits:</u>	
- upper:	No data available.
- lower:	No data available.

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions
Polymerization:	Hazardous polymerisation does not occur.
Hazardous decomposition products:	Oxides of carbon and unknown organic compounds.
Materials to avoid:	Ammonia. Acids. Enzymes. Other household Cleaning products. Do not mix with anything but water.

11. TOXICOLOGICAL INFORMATION

<u>Acute toxicity</u>	Harmful if swallowed.
<u>Component Information</u>	
<u>Product Information</u>	
LC50/inhalation/4h/rat =	No information available.
LD50/dermal/rabbit =	No information available.
LD50/oral/rat =	> 2000 mg/kg (calculation on raw material data)
<u>Local effects</u>	

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Skin irritation:	Causes skin irritation.
Eye irritation:	Causes eye irritation.
Inhalation	None expected during normal conditions of use
Ingestion	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	No information available
Chronic toxicity:	No information available
<u>Specific effects</u>	
Carcinogenic effects:	Not 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.
Aquatic toxicity:	No information available.
Ozone depletion potential	No information available.
Global warming potential	No information available.
Additional ecological information:	Because of pH-change danger for aquatic life possible.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration.
Contaminated packaging:	Empty remaining contents. Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

DOT Classification	Not classified as dangerous for transport
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15. REGULATORY INFORMATION

International Inventories

Components	PICCS:	TSCA:	DSL:	Korea	ENCS:	CHINA:	AICS:	EINECS-No
TRIPOLYPHOSPHATES	Present	Present	Present	KE-34753	1-497	present	present	231-838-7
SODIUM SILICATE	Present	Present	Present	KE-31002	1-508	present	present	215-687-4
POTASSIUM HYDROXIDE	Present	Present	Present	KE-29139	1-369	present	present	215-181-3
SODIUM HYPOCHLORITE	Present	Present	Present	KE-31506	1-237	present	present	231-668-3

U.S. Regulations:

SARA Title III, Section 313 Chemical Notification & Release Reporting: None

Canada

WHMIS hazard class: **Class D-1B:** Material causing immediate and serious toxic effects (TOXIC).

16. OTHER INFORMATION

National Fire Protection Association

(U.S.A.):



HMIS:	
Health	2
Flammability	0
Physical Hazard	0
Personal Protection	D

Validation date: 05/16/2007
Reason for revision: Change the product name
Replaces: Release dd 02/27/2006
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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