

## 1. Product and Company Identification

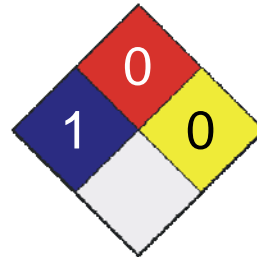
**Product Name** LYSOL® No-Touch™ Kitchen System - All Scents  
**CAS #** Mixture  
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA).**  
**This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.**

**Product Use** Hand Dish Detergent

**Distributed by** Reckitt Benckiser  
 Morris Corporate Center IV  
 399 Interpace Parkway  
 P.O. Box 225  
 Parsippany, NJ 07054-0225  
 In Case of Emergency: 1-800-338-6167  
 Transportation Emergencies: 24 Hour Number:  
 North America: CHEMTREC: 1-800-424-9300  
 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	A



## 2. Hazards Identification

**Emergency overview** Warnings: For external use only.  
 When using this product: Avoid contact with eyes. In case of eye contact, flush with water. Stop use and ask a doctor if irritation or redness develops.  
 If swallowed, get medical help or contact a Poison Control Center right away.

KEEP OUT OF REACH OF CHILDREN.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

**Eyes** May cause eye irritation upon direct contact with the eyes.

**Skin** None expected during normal conditions of use.  
 Not expected to be a skin sensitizer.

**Inhalation** None expected during normal conditions of use.

**Ingestion** Health injuries are not known or expected under normal use.

**Target organs** Eyes. Respiratory system. Skin.

**Chronic effects** The finished product is not expected to have chronic health effects.

**Signs and symptoms** There are no hazards associated with this product in normal use.

**OSHA Regulatory Status** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Potential environmental effects** See section 12.

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Cocamido propyl betaine	61789-40-0	2.5 - 10
C10-16 alkyl ethers, sodium salts	68585-34-2	10 - 20
1-Dodecanamine, N,N-dimethyl-,N-oxide	1643-20-5	1 - 2.5
Triclosan	3380-34-5	0 - 0.1

### 4. First Aid Measures

#### First aid procedures

<b>Eye contact</b>	In case of eye contact, flush with water. Remove any contact lenses and continue to rinse with water. Get medical attention immediately.
<b>Skin contact</b>	Stop use and ask a doctor if irritation or redness develops.
<b>Inhalation</b>	Move exposed person to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	If swallowed, get medical help or contact a poison control center right away. Wash out mouth with water.

#### Notes to physician

Treat patient symptomatically.

#### General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children.

### 5. Fire Fighting Measures

<b>Flammable properties</b>	Not flammable by OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

### 6. Accidental Release Measures

<b>Personal precautions</b>	Ensure adequate ventilation. Avoid contact with eyes. Do not touch or walk through spilled material. Floors may become slippery.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has penetrated drains, sewers or water pipes.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

### 7. Handling and Storage

<b>Handling</b>	Ensure adequate ventilation. Use according to package label instructions. Avoid contact with eyes. For external use only. When using, do not eat, drink or smoke.
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**Storage**

Store in original container in a cool, secure area inaccessible to children and pets.  
 Store at room temperature.  
 Store containers upright and closed.  
 Do not store this material in open or unlabeled containers.

## 8. Exposure Controls / Personal Protection

**Exposure limits**

Ingredient(s)	Exposure Limits
1-Dodecanamine, N,N-dimethyl-,N-oxide	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
C10-16 alkyl ethers, sodium salts	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Cocamido propyl betaine	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Triclosan	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established

**Engineering controls**

General ventilation normally adequate.

**Personal protective equipment**

**Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.**

**Eye / face protection**

Avoid contact with eyes. If splashes are likely to occur, wear:  
Safety glasses with side-shields.

**Hand protection**

No special requirements under normal use conditions.

**Skin and body protection**

Usual safety precautions while handling the product will provide adequate protection against injury or irritation.  
Follow label directions carefully.

**Respiratory protection**

Not normally required.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing.

## 9. Physical and Chemical Properties

<b>Appearance</b>	Opaque Liquid
<b>Color</b>	Orange. Yellow. Blue.
<b>Form</b>	Liquid
<b>Odor</b>	Various
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	7.00
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Evaporation rate</b>	Not available

<b>Flash point</b>	> 199.94 °F (> 93.3 °C)
<b>Auto-ignition temperature</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	1.033
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Complete

## 10. Stability and Reactivity

<b>Reactivity</b>	This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals. Keep away from extreme heat. Exposure to moisture.
<b>Incompatible materials</b>	Do not mix with anything but water.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

## 11. Toxicological Information

### Component analysis - LC50

<b>Ingredient(s)</b>	<b>LC50</b>
1-Dodecanamine, N,N-dimethyl-,N-oxide	Not available
C10-16 alkyl ethers, sodium salts	Not available
Cocamido propyl betaine	Not available
Triclosan	> 140 mg/m3 rat

### Component analysis - Oral LD50

<b>Ingredient(s)</b>	<b>LD50</b>
1-Dodecanamine, N,N-dimethyl-,N-oxide	2700 mg/kg mouse
C10-16 alkyl ethers, sodium salts	1700 mg/kg rat
Cocamido propyl betaine	2700 mg/kg rat
Triclosan	3700 mg/kg rat; 4530 mg/kg mouse

### Effects of acute exposure

<b>Eye</b>	May cause eye irritation upon direct contact with the eyes.
<b>Skin</b>	None expected during normal conditions of use. Not expected to be a skin sensitizer.
<b>Inhalation</b>	None expected during normal conditions of use.
<b>Ingestion</b>	Health injuries are not known or expected under normal use.
<b>Sensitization</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Name of Toxicologically Synergistic Products</b>	Not available

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## 12. Ecological Information

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<b>Ecotoxicity</b>	See below	
<b>Ecotoxicity - Freshwater Algae - Acute Toxicity Data</b>		
Cocamido propyl betaine	61789-40-0	72 Hr EC50 Desmodesmus subspicatus: 1.0 - 10.0 mg/L; 96 Hr EC50 Desmodesmus subspicatus: 0.55 mg/L
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>		
Cocamido propyl betaine	61789-40-0	96 Hr LC50 Brachydanio rerio: 1.0-10.0 mg/L; 96 Hr LC50 Brachydanio rerio: 2 mg/L [semi-static]
Triclosan	3380-34-5	96 Hr LC50 Pimephales promelas: 250 µg/L
<b>Ecotoxicity - Water Flea - Acute Toxicity Data</b>		
Cocamido propyl betaine	61789-40-0	48 Hr EC50 Daphnia magna: 6.5 mg/L
Triclosan	3380-34-5	48 Hr EC50 Daphnia magna: 390 µg/L
<b>Persistence / degradability</b>	Not available	
<b>Bioaccumulation / accumulation</b>	Not available	
<b>Mobility in environmental media</b>	Not available	
<b>Environmental effects</b>	Not available	
<b>Aquatic toxicity</b>	Not available	
<b>Partition coefficient</b>	Not available	
<b>Chemical fate information</b>	Not available	

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations. Hand soap system packaging and refill bottle are recyclable.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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## 14. Transport Information

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<b>UN/ID N.o.</b>	Not applicable
<b>U.S. Department of Transportation (DOT): Classification:</b> Not regulated	
<b>Proper shipping name</b>	Not applicable
<b>U.S. DOT Hazard Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>DOT RQ (lbs)</b>	Not applicable
<b>ERG NO</b>	Not applicable
<b>Transportation of Dangerous Goods (TDG - Canada): Classification:</b> Not regulated	
<b>Proper shipping name</b>	Not applicable
<b>Status</b>	Not applicable
<b>Packing group</b>	Not applicable

**IMDG (Marine Transport): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>IMDG Page</b>	Not applicable
<b>Marine pollutant</b>	Not applicable
<b>EMS</b>	Not applicable
<b>MFAG</b>	Not applicable
<b>Maximum Quantity</b>	Not applicable

**IATA/ICAO (Air): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk:</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>Maximum Quantity</b>	Not applicable

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## 15. Regulatory Information

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**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** Yes

**US Federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Product Registration: Registered with FDA

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Clean Water Act (CWA)** Not available

**State regulations** See below

**Inventory status**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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## 16. Other Information

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**Disclaimer**

This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Further information**

LYSOL® No-Touch™ Kitchen System - Shimmering Berry, 8.5 fl oz - 8021041v1.0

LYSOL® No-Touch™ Kitchen System - Sparkling Tangerine, 8.5 fl oz - 8021037v2.0

LYSOL® No-Touch™ Kitchen System - Sunkissed Lemon, 8.5 fl oz - 8021039v1.0

**Issue date**

24-Jan-2013

**Effective date**

15-Jan-2013

**Prepared by**

Reckitt Benckiser Regulatory Department 800-333-3899

**Other information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.