

1. Product and Company Identification

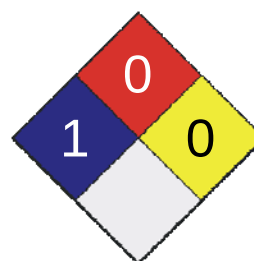
Product Name LYSOL® No-Touch™ Kitchen System - All Scents
CAS # Mixture
 This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's 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

Eyes

Skin

Inhalation

Ingestion

Target organs

Chronic effects

Signs and symptoms

OSHA Regulatory Status

Potential environmental effects

Eye, Skin contact, Inhalation, Ingestion.

May cause eye irritation upon direct contact with the eyes.

None expected during normal conditions of use.

Not expected to be a skin sensitizer.

None expected during normal conditions of use.

Health injuries are not known or expected under normal use.

Eyes. Respiratory system. Skin.

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

There are no hazards associated with this product in normal use.

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

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

Eye contact	In case of eye contact, flush with water. Remove any contact lenses and continue to rinse with water. Get medical attention immediately.
Skin contact	Stop use and ask a doctor if irritation or redness develops.
Inhalation	Move exposed person to fresh air. Get medical attention if symptoms occur.
Ingestion	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

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

6. Accidental Release Measures

Personal precautions	Ensure adequate ventilation. Avoid contact with eyes. Do not touch or walk through spilled material. Floors may become slippery.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has penetrated drains, sewers or water pipes.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	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

Handling	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

ACGIH-TLV

Not established

OSHA-PEL

Not established

C10-16 alkyl ethers, sodium salts

ACGIH-TLV

Not established

OSHA-PEL

Not established

Cocamido propyl betaine

ACGIH-TLV

Not established

OSHA-PEL

Not established

Triclosan

ACGIH-TLV

Not established

OSHA-PEL

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

Appearance

Opaque Liquid

Color

Orange. Yellow. Blue.

Form

Liquid

Odor

Various

Odor threshold

Not available

Physical state

Liquid

pH

7.00

Freezing point

Not available

Boiling point

Not available

Pour point

Not available

Evaporation rate

Not available

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

10. Stability and Reactivity

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

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
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

Ingredient(s)	LD50
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

Eye	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.
Sensitization	The finished product is not expected to have chronic health effects.
Chronic effects	The finished product is not expected to have chronic health effects.
Carcinogenicity	The finished product is not expected to have chronic health effects.
Mutagenicity	The finished product is not expected to have chronic health effects.
Reproductive effects	The finished product is not expected to have chronic health effects.
Teratogenicity	The finished product is not expected to have chronic health effects.
Name of Toxicologically Synergistic Products	Not available

12. Ecological Information

Ecotoxicity See below

Ecotoxicity - Freshwater Algae - Acute Toxicity Data

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
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Ecotoxicity - Freshwater Fish - Acute Toxicity Data

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

Ecotoxicity - Water Flea - Acute Toxicity Data

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

Persistence / degradability Not available

Bioaccumulation / accumulation Not available

Mobility in environmental media Not available

Environmental effects Not available

Aquatic toxicity Not available

Partition coefficient Not available

Chemical fate information Not available

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations.
Hand soap system packaging and refill bottle are recyclable.

Waste from residues / unused products Not available

Contaminated packaging Not available

14. Transport Information

UN/ID N.o. Not applicable

U.S. Department of Transportation (DOT): Classification: Not regulated

Proper shipping name Not applicable

U.S. DOT Hazard Class Not applicable

Subsidiary Risk Not applicable

Packing group Not applicable

DOT RQ (lbs) Not applicable
ERG NO Not applicable

Transportation of Dangerous Goods (TDG - Canada): Classification: Not regulated

Proper shipping name Not applicable

Status Not applicable

Packing group Not applicable

IMDG (Marine Transport): Classification: Not regulated

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

IATA/ICAO (Air): Classification: Not regulated

Proper shipping name	Not applicable
Class	Not applicable
Subsidiary Risk:	Not applicable
Packing group	Not applicable
Maximum Quantity	Not applicable

15. Regulatory Information

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

Country(s) or region	Inventory name	On inventory (yes/no)*
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)

16. Other Information

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.