

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product name LYSOL® No Mess MAX Automatic Toilet Bowl Cleaner – 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).

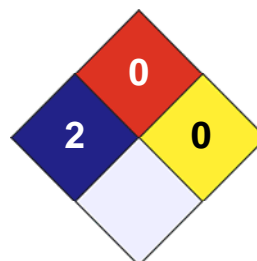
This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.

Product Use Toilet bowl cleaner

Distributed by Reckitt Benckiser
 Morris Corporate Center IV
 399 Interpace Parkway
 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	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B



2. Hazards Identification

Emergency overview WARNING
 Causes severe eye and skin irritation.
 Do not get in eyes, on skin or on clothing.
 Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
 Wash hands after handling.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

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

Eyes Severely irritating to eyes.

Skin Irritating to skin.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Inhalation None expected during normal conditions of use.

Ingestion May be harmful if swallowed.

Target organs Skin. Eyes. Respiratory system.

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

Signs and symptoms Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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

Potential environmental effects Components of this product have been identified as having potential environmental concerns.

3. Composition/Information on Ingredients

Components	CAS #	Percent
Sodium dodecylbenzene sulfonate	25155-30-0	10 - 20
Sulfonic acids, alkyl, sodium salts	68439-57-6	10 - 20
Proprietary fragrance	Proprietary	2.5 - 10
Alcohols, C12-15, ethoxylated	68131-39-5	1 - 2.5
Amorphous silica, precipitated	112926-00-8	1 - 2.5

4. First Aid Measures

First aid procedures

Eye contact	If in eyes, IMMEDIATELY rinse eyes with water. Remove any contact lenses and continue rinsing eyes for at least 15 minutes. If irritation persists, get medical attention.
Skin contact	If on skin, wash with soap and water. If irritation persists or reaction develops, get medical attention.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
Ingestion	Call a physician immediately. Wash out mouth with water. Do not induce vomiting unless told to do so by the Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

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. Avoid contact with eyes and skin. 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 and precautions 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	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
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.

7. Handling and Storage

Handling

Ensure adequate ventilation.
Do not get in eyes, on skin or on clothing.
Do not ingest.
Use good industrial hygiene practices in handling this material.
When using do not eat or drink.
Wash thoroughly with soap and water after handling.
Read and follow product label for instructions.

Storage

KEEP OUT OF REACH OF CHILDREN.
Store at room temperature.
Store in a cool place in original container and protect from sunlight.

8. Exposure Controls/Personal Protection

Occupational exposure limits**US. OSHA Table Z-3 (29 CFR 1910.1000)****Components****Type****Value**

Amorphous silica,
precipitated (CAS
112926-00-8)

TWA

0.8 mg/m3

20 mppcf

Exposure limits

Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.

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

Wear safety glasses with side shields.

Hand protection

Wear suitable protective clothing.
Emergency responders should wear impermeable gloves.

Skin and body protection

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

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
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

Appearance

Solid.

Color

Yellow

Form

Solid.

Odor

Characteristic

Odor threshold

Not available.

Physical state

Solid.

pH

7 (Conc (%w/w): 10%)

Freezing point

Not available.

Boiling point

Not available

Pour point

Not available.

Evaporation rate

Not available

Flash point

> 204.8 °F (> 96.0 °C) Closed Cup

Auto-ignition temperature	Not available
Flammability limits in air, upper, % by volume	Not available
Flammability limits in air, lower, % by volume	Not available
Vapor pressure	Not available.
Vapor density	Not available
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Solubility (water)	Partially
Relative density	Not available.
Viscosity	Not available.
VOC	Not available
Percent volatile	Not available

10. Stability and Reactivity

Reactivity	This product may react with strong acids.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Keep from freezing. Exposure to moisture. Excessive heat. DO NOT MIX WITH BLEACH or use in conjunction with other household products.
Incompatible materials	Oxidizers. Acids.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
Alcohols, C12-15, ethoxylated (CAS 68131-39-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	2000 mg/kg
	Rat	2000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	2000 mg/kg
Amorphous silica, precipitated (CAS 112926-00-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	>= 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 2 mg/L
<i>Oral</i>		
LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg
		31600 mg/kg

Components	Species	Test Results
Proprietary fragrance (CAS Proprietary)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Not available	
Sodium dodecylbenzene sulfonate (CAS 25155-30-0)		
Acute		
<i>Dermal</i>		
LD50	Rat	2700 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	438 mg/kg
Sulfonic acids, alkyl, sodium salts (CAS 68439-57-6)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	1600 mg/kg
Effects of acute exposure		
Eye contact	Severely irritating to eyes.	
Skin contact	Irritating to skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.	
Inhalation	None expected during normal conditions of use.	
Ingestion	May be harmful if swallowed.	
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		
Ecotoxicological data			
Components	Species		Test Results
Alcohols, C12-15, ethoxylated (CAS 68131-39-5)			
Aquatic			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	0.37 - 0.43 mg/l, 48 hours
Fish	LC50	Channel catfish (Ictalurus punctatus)	1.04 - 1.39 mg/l, 96 hours
Sodium dodecylbenzene sulfonate (CAS 25155-30-0)			
Aquatic			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	3.26 - 14.51 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	3.2 - 5.6 mg/l, 96 hours

Components	Species	Test Results
Sulfonic acids, alkyl, sodium salts (CAS 68439-57-6)		
Aquatic		
Crustacea	EC50	Water flea (Ceriodaphnia dubia)
		4.14 - 4.95 mg/l, 48 hours
Persistence and degradability	Not available.	
Bioaccumulation / Accumulation	Not available	
Mobility in environmental media	Not available.	
Environmental effects	Not available.	
Aquatic toxicity	Not available.	
Partition coefficient		
Sodium dodecylbenzene sulfonate		0.45
Chemical fate information	Not available.	

13. Disposal Considerations

Disposal instructions	Review federal, state and local government requirements prior to disposal. Discard with solid waste.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

IATA/ICAO (Air)

Not regulated as dangerous goods.

IMDG (Marine Transport)

Not regulated as dangerous goods.

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.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US CWA Section 311 Hazardous Substances: Listed substance

Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity

Sodium dodecylbenzene sulfonate: 1000

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

Clean Water Act (CWA) Hazardous substance

State regulations This product is not subject to warning labeling under the California Proposition 65 regulation.

US - California Hazardous Substances (Director's): Listed substance

Amorphous silica, precipitated (CAS 112926-00-8) Listed.
 Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

US - Illinois Chemical Safety Act: Listed substance

Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

US - Louisiana Spill Reporting: Listed substance

Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

US - Minnesota Haz Subs: Listed substance

Amorphous silica, precipitated (CAS 112926-00-8) Listed.

US - New Jersey RTK - Substances: Listed substance

Amorphous silica, precipitated (CAS 112926-00-8) Listed.
 Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

US - New York Release Reporting: Hazardous Substances: Listed substance

Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

US - Texas Effects Screening Levels: Listed substance

Alcohols, C12-15, ethoxylated (CAS 68131-39-5) Listed.
 Amorphous silica, precipitated (CAS 112926-00-8) Listed.
 Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.
 Sulfonic acids, alkyl, sodium salts (CAS 68439-57-6) Listed.

US. Massachusetts RTK - Substance List

Amorphous silica, precipitated (CAS 112926-00-8) Listed.
 Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

US. Pennsylvania RTK - Hazardous Substances

Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

US. Rhode Island RTK

Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

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 Mess MAX Automatic Toilet Bowl Cleaner – Citrus – 8081854v1.0
 LYSOL® No Mess MAX Automatic Toilet Bowl Cleaner – Lavender Fresh – 8081847v1.0
 LYSOL® No Mess MAX Automatic Toilet Bowl Cleaner – Ocean Fresh – 8081832v1.0
 LYSOL® No Mess MAX Automatic Toilet Bowl Cleaner – Pine Fresh – 8081841v1.0

Issue date

22-April-2014

Effective date

15-April-2014

Prepared by

Reckitt Benckiser Regulatory Department Phone: 800-333-3899

Other information

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