

1. Product and Company Identification

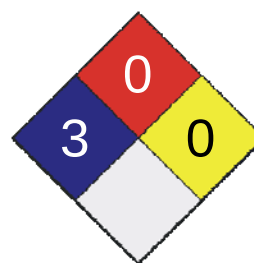
Product Name LYSOL® No Mess Automatic Toilet Bowl Cleaner Complete Clean - All Scents
CAS # Mixture
 This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with 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
 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	/ 3
Flammability	0
Physical Hazard	0
Personal Protection	B



2. Hazards Identification

Emergency overview WARNING
 EYE AND SKIN IRRITANT.
 Causes severe eye and skin irritation.
 Do not get in eyes, on skin or on clothing.
 Wash hands after handling.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes

Severe eye irritant.

Skin

Irritating to skin.
 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.
 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

Ingredient(s)	CAS #	Percent
Sodium alkylbenzene sulfonate	68411-30-3	20 - 40
Proprietary fragrance	Mixture	2.5 - 10
Amorphous silica, precipitated	112926-00-8	1 - 2.5
Sodium carbonate	497-19-8	1 - 2.5
Titanium oxide	13463-67-7	0.1 - 1

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, get medical attention.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	If swallowed, call a Poison Control Center or doctor immediately. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician or Poison Control Center immediately. Rinse mouth with water.

Notes to physician

Treat patient symptomatically.

General advice

Do not puncture or incinerate container. 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 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. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. 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	Store in a cool dry place inaccessible to children and pets. Store at room temperature. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
Amorphous silica, precipitated	ACGIH-TLV TWA: 10 mg/m ³ OSHA-PEL TWA: 6 mg/m ³
Proprietary fragrance	ACGIH-TLV Not established OSHA-PEL Not established
Sodium alkylbenzene sulfonate	ACGIH-TLV Not established OSHA-PEL Not established
Sodium carbonate	ACGIH-TLV Not established OSHA-PEL Not established
Titanium oxide	ACGIH-TLV TWA: 10 mg/m ³ OSHA-PEL TWA: 15 mg/m ³
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	Violet Yellow Blue
Form	Blocks
Odor	Lavender Citrus Marine
Odor threshold	Not available
Physical state	Solid
pH	8 - 10
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	> 200 °F (> 93.33 °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	Not available
Octanol/water coefficient	Not available
Solubility (H2O)	Complete
VOC (Weight %)	Not available
Viscosity	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	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

Component analysis - LC50

Ingredient(s)	LC50
Amorphous silica, precipitated	> 2 Mg/L rat
Proprietary fragrance	Not available
Sodium alkylbenzene sulfonate	Not available
Sodium carbonate	400 mg/m3 guinea pig
Titanium oxide	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Amorphous silica, precipitated	31600 mg/kg rat
Proprietary fragrance	Not available
Sodium alkylbenzene sulfonate	404 mg/kg rat
Sodium carbonate	4090 mg/kg rat
Titanium oxide	24000 mg/kg rat

Effects of acute exposure

Eye	Severe eye irritant.
Skin	Irritating to skin. 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. 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	
Ecotoxicity - Freshwater Algae - Acute Toxicity Data		
Sodium alkylbenzene sulfonate	68411-30-3	96 Hr EC50 Desmodesmus subspicatus: 9 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 11 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 4.29 - 12.5 mg/L
Sodium carbonate	497-19-8	120 Hr EC50 Nitzschia: 242 mg/L
Ecotoxicity - Freshwater Fish - Acute Toxicity Data		
Sodium alkylbenzene sulfonate	68411-30-3	96 Hr LC50 Brachydanio rerio: 5.1 mg/L [flow-through]; 96 Hr LC50 Brachydanio rerio: 0.6-1.9 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 2.2 mg/L [static]; 96 Hr LC50 Pimephales promelas: 0.7 mg/L [static]; 96 Hr LC50 Pimephales promelas: 3.4 mg/L; 96 Hr LC50 Oncorhynchus mykiss: 3.8-6.6 mg/L [static]
Sodium carbonate	497-19-8	96 Hr LC50 Lepomis macrochirus: 300 mg/L [static]; 96 Hr LC50 Pimephales promelas: 310 - 1220 mg/L [static]
Ecotoxicity - Water Flea - Acute Toxicity Data		
Sodium alkylbenzene sulfonate	68411-30-3	48 Hr EC50 Daphnia magna: 0.63 mg/L
Sodium carbonate	497-19-8	48 Hr EC50 Daphnia magna: 265 mg/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	Review federal, state/provincial, and local government requirements prior to disposal. Discard with solid waste.
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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.

CERCLA (Superfund) reportable quantity

None

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 Air Act (CAA) Not available

Clean Water Act (CWA) Hazardous substance

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - Illinois - Toxic Air Contaminant Carcinogens

Titanium oxide 13463-67-7 IARC 2B Carcinogen

U.S. - Massachusetts - Right To Know List

Amorphous silica, precipitated 112926-00-8 Present

Titanium oxide 13463-67-7 Present

U.S. - Minnesota - Hazardous Substance List

Amorphous silica, precipitated 112926-00-8 Present (dust, amorphous, gel and precipitated)

Titanium oxide 13463-67-7 Present (dust)

U.S. - New Jersey - Right to Know Hazardous Substance List

Amorphous silica, precipitated 112926-00-8 sn 3510

Titanium oxide 13463-67-7 sn 1861

U.S. - Pennsylvania - RTK (Right to Know) List

Amorphous silica, precipitated 112926-00-8 Present

Titanium oxide 13463-67-7 Present

U.S. - Rhode Island - Hazardous Substance List

Titanium oxide 13463-67-7 Toxic

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 Mess Automatic Toilet Bowl Cleaner Complete Clean - Lavender - 0245588v1.0
LYSOL® No Mess Automatic Toilet Bowl Cleaner Complete Clean - Citrus - 0245589v1.0
LYSOL® No Mess Automatic Toilet Bowl Cleaner Complete Clean - Spring Waterfall - 0245591v1.0

Issue date

18-Sep-2012

Effective date

15-Sep-2012

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.