

1. Product and Company Identification

Product Name LYSOL® POWER & FREE™ Multi-Purpose Cleaning Wipes

CAS # Mixture

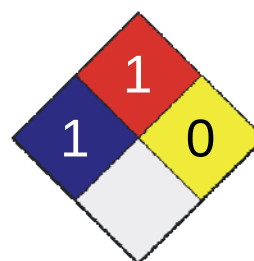
This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA).
This MSDS 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 Multi-Purpose 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	* 1
Flammability	1
Physical Hazard	0
Personal Protection	B



2. Hazards Identification

Emergency overview This product is regulated by the US EPA as a disinfectant.

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

Eye, Skin contact, Inhalation, Ingestion.

Mildly irritating to the eyes.

Slightly irritating to the skin.

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.

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
Hydrogen peroxide	7722-84-1	1 - 2.5
Ethanol	64-17-5	0.1 - 1

4. First Aid Measures

First aid procedures

Eye contact

Immediately flush eyes with plenty of water for several minutes, occasionally lifting upper and lower eyelids. Check for and remove any contact lenses, and continue rinsing eyes for at least 15 minutes. Get medical attention immediately.

Skin contact

Get medical attention immediately. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Wash clothing before reuse.

Inhalation

Move exposed person to fresh air. Get medical attention immediately.

Ingestion

Call medical doctor or poison control center immediately. 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. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties

Combustible 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 sulfur.

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

Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Pick up and discard towel.

7. Handling and Storage

Handling

Ensure adequate ventilation.
DO NOT PUSH FINGER THROUGH OPENING.
Not intended for personal hygiene.
Use good industrial hygiene practices in handling this material.
When using do not eat or drink. Avoid contact with skin and clothing.
Avoid contact with eyes.
Avoid breathing vapors or mists of this product.
Do not ingest.
Close lid between uses to retain moisture.
Wash thoroughly after handling.
Do not reuse towelette.
Do not reuse the empty container.
DO NOT FLUSH.

Storage

Store in areas inaccessible to small children. Keep securely closed.
Store in a closed container away from incompatible materials.
Keep upright to prevent leakage.
Do not freeze.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

8. Exposure Controls / Personal Protection

Exposure limits**Ingredient(s)****Exposure Limits**

Ethanol

ACGIH-TLV

TWA: 1000 ppm

STEL: 1000 ppm

OSHA-PEL

TWA: 1000 ppm

Hydrogen peroxide

ACGIH-TLV

TWA: 1 ppm

OSHA-PEL

TWA: 1 ppm

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

Not required under normal use conditions.

Safety glasses with side-shields or full eye & face protection should be worn if risk assessment indicates this is necessary for the workplace or emergency responders.

Hand protection

Not required under normal use conditions. Chemical resistant, impervious gloves should be worn if risk assessment indicates this is necessary for the workplace or emergency responders.

Skin and body protection

As required by employer code.

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

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

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.

Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance

Liquid saturated on wipe

Color

White

Form

Liquid saturated on wipe.

Odor

Floral

Odor threshold

Not available

Physical state

Solid

pH

2.1 - 3.5 (liquid)

Freezing point

Not available

Boiling point

Not available

Pour point

Not available

Evaporation rate

Not available

Flash point	195.80 °F (91 °C) Closed Cup
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not available
Octanol/water coefficient	Not available
Solubility (H2O)	Wipe is not soluble
Bulk density	8.2 - 8.5 lbs/gal (liquid)

10. Stability and Reactivity

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

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Ethanol	31623 ppm rat
Hydrogen peroxide	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Ethanol	3450 mg/kg mouse; 7060 mg/kg rat
Hydrogen peroxide	75 mg/kg rat; 2000 mg/kg mouse

Effects of acute exposure

Eye	Mildly irritating to the eyes.
Skin	Slightly irritating to the 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.
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.

12. Ecological Information

Ecotoxicity	See below	
Ecotoxicity - Freshwater Algae - Acute Toxicity Data		
Hydrogen peroxide	7722-84-1	72 Hr EC50 Chlorella vulgaris: 2.5 mg/L
Ecotoxicity - Freshwater Fish - Acute Toxicity Data		
Ethanol	64-17-5	96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]
Hydrogen peroxide	7722-84-1	96 Hr LC50 Pimephales promelas: 16.4 mg/L; 96 Hr LC50 Lepomis macrochirus: 18-56 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 10.0-32.0 mg/L [static]
Ecotoxicity - Water Flea - Acute Toxicity Data		
Ethanol	64-17-5	48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]
Hydrogen peroxide	7722-84-1	24 Hr EC50 Daphnia magna: 7.7 mg/L; 48 Hr EC50 Daphnia magna: 18 - 32 mg/L [Static]
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. Dispose of wipe in trash after use. CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Discard in trash or offer for recycling.
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 EPA, EPA Reg. No. 777-118

U.S. - CAA (Clean Air Act) - Reactivity Factors for VOCs in Aerosol Coatings

Ethanol	64-17-5	1.69 G Ozone/g VOC Reactivity Factor
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U.S. - CAA (Clean Air Act) - Volatile Organic Compounds (VOCs) in SOCM

Ethanol	64-17-5	Present
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

Hydrogen peroxide	7722-84-1	1000 Lb EPCRA RQ (concentration >52%)
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U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

Hydrogen peroxide	7722-84-1	1000 Lb TPQ (concentration >52%)
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CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	Yes
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Clean Water Act (CWA)	Not available
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State regulations	This product is not subject to warning labeling under the California Proposition 65 regulation.
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U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Hydrogen peroxide	7722-84-1	Present
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U.S. - Massachusetts - Right To Know List

Ethanol	64-17-5	Teratogen
Hydrogen peroxide	7722-84-1	Extraordinarily hazardous

U.S. - Minnesota - Hazardous Substance List

Ethanol	64-17-5	Present
Hydrogen peroxide	7722-84-1	Present (including Hydrogen peroxide [90%])

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

Ethanol	64-17-5	sn 0844
Hydrogen peroxide	7722-84-1	sn 1015

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

Hydrogen peroxide	7722-84-1	1 Lb RQ (air); 1 Lb RQ (land/water)
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U.S. - Ohio - Extremely Hazardous Substances - Threshold Quantities

Hydrogen peroxide	7722-84-1	500 Lb TQ (concentration >52%)
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U.S. - Pennsylvania - RTK (Right to Know) List

Ethanol	64-17-5	Present
Hydrogen peroxide	7722-84-1	Environmental hazard (concentration >52%); Present

U.S. - Rhode Island - Hazardous Substance List

Ethanol	64-17-5	Toxic; Flammable
Hydrogen peroxide	7722-84-1	Toxic; Flammable

U.S. - Texas - Tier II Chemical Reporting - Extremely Hazardous Substances - Reportable Quantities

Hydrogen peroxide	7722-84-1	1000 Lb RQ
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U.S. - Texas - Tier II Chemical Reporting - Extremely Hazardous Substances - Threshold Planning Quantities

Hydrogen peroxide	7722-84-1	1000 Lb TPQ (concentration >52%)
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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® POWER & FREE™ Multi-Purpose Cleaning Wipes - Oxygen Splash, 35 ct/75 ct - 8007194v1.0
Issue date	20-Nov-2012
Effective date	15-Nov-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. This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.