

#### MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product Name** 

Lysol® Brand III Disinfectant All Purpose Cleaner - 4 in 1, All Scents, All Sizes

**UPC CODES** 

Refer to section 16

CAS#

Mixture

Product use

Disinfectant

Distributed by

Reckitt Benckiser

Morris Corporate Center IV 399 Interpace Parkway P.O. Box 225

Parsippany, NJ 07054-0225

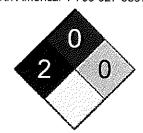
In Case of Emergency: 1-800-228-4722 Transportation Emergencies: 24 Hour Number:

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





#### 2. Hazards Identification

#### **Emergency overview**

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

PRECAUTIONARY STATEMENTS: Hazards to humans and domestic animals.

#### CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure

Eye, Skin contact, Inhalation, Ingestion.

Eyes Skin Moderate eye irritation. Avoid eye contact.

None expected under normal use. Not expected to be a skin sensitizer.

Inhalation

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

Ingestion

Not orally toxic. Ingestion could cause irritation of the mouth and throat.

Target organs

Skin. Eyes.

**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.

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS#	Percent
Dipropylene glycol monobutyl ether	29911-28-2	2.5 - 10
Lactic acid	50-21-5	1 - 5
Alcohols, C9-11, ethoxylated	68439-46-3	0.1 - 1
Sulfonic acids, petroleum, sodium salts	68608-26-4	0.1 - 1

#### 4. First Aid Measures

First aid procedures

Eye contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact

lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison

control center or doctor for treatment advice.

Wash off immediately with soap and plenty of water removing all contaminated clothes Skin contact

and shoes.

Inhalation Move to fresh air.

Ingestion If swallowed, do NOT induce vomiting. Call a physician or Poison Control Center

IMMEDIATELY. NEVER give an unconscious person anything to ingest. Show the

container or product label to the medical personnel.

Notes to physician

Symptoms may be delayed.

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

Extinguishing media

Not flammable by OSHA criteria.

Suitable extinguishing media

Treat for surrounding material. Not available

Unsuitable extinguishing media

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

Hazardous combustion products

May include and are not limited to: Oxides of carbon.

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.

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 in original containers for re-use.

# 7. Handling and Storage

Handling

CAUTION

Causes moderate eye irritation.

Avoid contact with eyes, skin and clothing.

Use good industrial hygiene practices in handling this material.

Do not use on eating/cooking utensils, glasses/dishes or cookware, unfinished, oil or waxed wood floors.

This product is not recommended for use on finished wood floors, marble, brass, acrylic plastic, finished wood surfaces.

Storage

Store in a closed container away from incompatible materials.

Food contact surfaces must be rinsed with potable water.

Store in areas inaccessible to small children. Keep securely closed. Refillable. Refill trigger bottle only with this product. If not refilling, discard in trash or offer for recycle. Do not reuse this trigger for any other purpose.

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	
Alcohols, C9-11, ethoxylated	ACGIH-TLV	
	Not established	
	OSHA-PEL	
	Not established	
Dipropylene glycol monobutyl ether	ACGIH-TLV	
	Mist: 10 mg/m3	
	OSHA-PEL	
	Not established	
Lactic acid	ACGIH-TLV	
	Not established	
	OSHA-PEL	
	Not established	
Sulfonic acids, petroleum, sodium salts	ACGIH-TLV	
	Not established	
	OSHA-PEL	
	Not established	

**Engineering controls** 

Personal protective equipment

Eye / face protection

Wear safety glasses with side shields.

General ventilation normally adequate.

Emergency responders should wear full eye and face protection.

Hand protection

No special requirements under normal use conditions. For sensitive skin or prolonged use, wear rubber gloves. Emergency responders should wear impermeable gloves.

Skin and body protection

As required by employer code.

Emergency responders should wear impermeable clothing and footwear when

responding to a situation where contact with the liquid is possible.

Respiratory protection

Not normally required under normal use conditions.

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 Clear.
Color Various

Form aqueous solution
Odor Characteristic
Odor threshold Not available
Physical state Liquid
pH 3 (Acidic)

Freezing point Not available
Pour point Not available

**Boiling** point

Not available

Flash point

> 200 °F (> 93.33 °C) Tagliabue

**Evaporation rate** 

Not available Not available

by volume

Flammability limits in air, upper, %

Flammability limits in air, lower, %

by volume

Not available

Vapor pressure

Not available

Vapor density Specific gravity Not available 1.01

Octanol/water coefficient

Not available

Solubility (H2O)

Complete

Solubinty (H2O)

Matanalia

Auto-ignition temperature

Not available

# 10. Stability and Reactivity

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

DO NOT MIX WITH BLEACH or use in conjunction with other household products.

Incompatible materials

Caustics. Acids.

Hazardous decomposition products

May include and are not limited to: Oxides of carbon.

Possibility of hazardous reactions

Hazardous polymerization does not occur.

#### 11. Toxicological Information

Component analysis - LC50		
Ingredient(s)	LC50	
Alcohols, C9-11, ethoxylated	5 mg/l/4h rat	
Dipropylene glycol monobutyl ether	Not available	
Lactic acid	Not available	
Sulfonic acids, petroleum, sodium salts	Not available	
Component analysis - Oral LD50		
Ingredient(s)	LD50	
Aicohols, C9-11, ethoxylated	1200 mg/kg rat	
Dipropylene glycol monobutyl ether	3700 mg/kg rat	
Lactic acid	1810 mg/kg guinea pig; 3543 mg/kg rat; 4875 mg/kg mouse	
Sulfonic acids, petroleum, sodium salts	> 2000 mg/kg rat	

Effects of acute exposure

Eye Moderate eye irritation. Avoid eye contact.

Skin None expected under normal use.

Not expected to be a skin sensitizer.

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

Ingestion Not orally toxic. Ingestion could cause irritation of the mouth and throat,

SensitizationThe finished product is not expected to have chronic health effects.Chronic effectsThe finished product is not expected to have chronic health effects.CarcinogenicityThe 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.

Synergistic Materials Not available

### 12. Ecological Information

**Ecotoxicity** 

Bulk quantities, if spilled, may be toxic to aquatic organisms, fish, birds and mammals. Control and clean up all exterior spills and prevent liquid from entering any streams,

rivers, lakes and all other bodies of water.

**Ecotoxicity - Freshwater Fish Species Data** 

Dipropylene glycol monobutyl ether

29911-28-2

96 Hr LC50 Poecilia reticulata: 841 mg/L [static]

Environmental effects
Aquatic toxicity

Not available

Persistence / degradability

Not available Not available

Bioaccumulation / accumulation Partition coefficient

Not available Not available

Mobility in environmental media

Not available Not available

Chemical fate information

## 13. Disposal Considerations

Waste codes

Not available

**Disposal instructions** 

Dispose in accordance with all applicable regulations.

Small amounts of waste: Wipe up with a wet paper towel and discard absorbed material

in trash collection.

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) ERG NO Not applicable 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

Class

Not applicable 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

US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

CERCLA/SARA Hazardous Substances - Not applicable.

Product Registration: Registered with EPA, EPA Reg. No. 777-100

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous

Yes

chemical

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

No

hazardous substance

Section 311 hazardous chemical Yes

Clean Air Act (CAA)

Not available

Clean Water Act (CWA)

Not available

State regulations

This product does not contain a chemical known to the State of California to cause

cancer, birth defects or other reproductive harm.

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)

issue date

#### 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 19200-80313-7 - LYSOL® Brand III All Purpose Cleaner 4 IN 1, All Scents, All Sizes - 32

oz. - Pacific Fresh® - 0068651

19200-75217-6- LYSOL® Brand III All Purpose Cleaner 4 IN 1, All Scents, All Sizes - 22

oz. - Lemon Breeze® - 0068648

36241-75610-9 - LYSOL® Brand III All Purpose Cleaner 4 IN 1, All Scents, All Sizes -

144 oz. - Lemon Breeze® - 0068648

Issue date 09-Jul-2010

Effective date 15-Jun-2010

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.