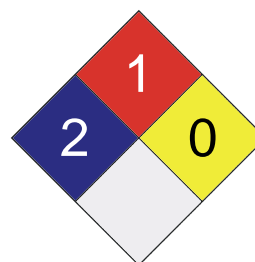


1. Product and Company Identification

Product Name LYSOL® IC™ Foaming Disinfectant Cleaner (Aerosol)
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 |

| | |
|---------------------|-----|
| Health | / 2 |
| Flammability | 1 |
| Physical Hazard | 0 |
| Personal Protection | B |



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

MAY CAUSE EYE IRRITATION. Avoid contact with eyes or skin.

PHYSICAL AND CHEMICAL HAZARDS: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 120°F or in sun or discarding can in fire or incinerator may cause bursting.

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.

May cause eye irritation. Avoid contact with eyes.

May cause skin irritation. Avoid skin contact.
Not expected to be a skin sensitizer.

None expected during normal conditions of use.

None expected during normal conditions of use.

Skin. Eyes. Respiratory system.

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.

3. Composition / Information on Ingredients

| Ingredient(s) | CAS # | Percent |
|--|----------------|----------|
| Ethanol, 2-(2-butoxyethoxy)- | 112-34-5 | 2.5 - 10 |
| Isobutane | 75-28-5 | 2.5 - 10 |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | 2.5 - 10 |
| Didecyl Dimethyl Ammonium Chloride | Not Applicable | 0 - 0.1 |
| Dioctyl Dimethyl Ammonium Chloride | Not Applicable | 0 - 0.1 |
| Octyl Decyl Dimethyl Ammonium Chloride | Not Applicable | 0 - 0.1 |

4. First Aid Measures

First aid procedures

| | |
|---------------------|---|
| Eye contact | In case of eye contact, immediately flush eyes with water, remove any contact lenses, and continue flushing eyes for at least 15 minutes. Consult a physician if irritation persists. |
| Skin contact | In case of skin contact, wash skin thoroughly with soap and water. If irritation persists, consult a physician. |
| Inhalation | Remove to fresh air. |
| Ingestion | Rinse mouth with water. Contact a physician or poison control center if symptoms persist. NEVER give an unconscious person anything to ingest. |

Notes to physician

Symptoms may be delayed. 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. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. Fire Fighting Measures

| | |
|---|---|
| Flammable properties | Aerosol flame extension less than 18 inches (45 cm). |
| Extinguishing media | |
| Suitable extinguishing media | Water spray. Foam. Dry chemical. Carbon dioxide. |
| Unsuitable extinguishing media | Not available |
| Protection of firefighters | |
| Specific hazards arising from the chemical | Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out. |
| 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. |
| Methods for containment | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite. Wipe up with absorbent material (e.g. cloth, fleece). |

7. Handling and Storage

Handling

CAUTION

May cause eye irritation. Avoid contact with eyes, skin and clothing.
Contents under pressure.
When using do not eat or drink.
Wash hands before breaks and immediately after handling the product.
Always replace cap after use.
Do not puncture or incinerate container.

Storage

Do not contaminate water, food or feed by use or storage.
Store in original container in areas inaccessible to small children.
Do not use or store near heat or open flame.
Do not reuse container.
Exposure to temperatures above 120°F or in sun or discarding can in fire or incinerator may cause bursting.

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

Didecyl Dimethyl Ammonium Chloride

ACGIH-TLV

Not established

OSHA-PEL

Not established

Dioctyl Dimethyl Ammonium Chloride

ACGIH-TLV

Not established

OSHA-PEL

Not established

Ethanol, 2-(2-butoxyethoxy)-

ACGIH-TLV

Not established

OSHA-PEL

Not established

Isobutane

ACGIH-TLV

TWA: 1000 ppm

OSHA-PEL

Not established

Octyl Decyl Dimethyl Ammonium Chloride

ACGIH-TLV

Not established

OSHA-PEL

Not established

Tetrasodium ethylenediamine tetraacetate

ACGIH-TLV

Not established

OSHA-PEL

TWA: 15 mg/m3

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Eye / face protection

Not normally required when used as directed.
Emergency responders should wear full eye and face protection.

Hand protection

For sensitive skin or prolonged use, wear rubber gloves.
Emergency responders should wear impermeable gloves.

Skin and body protection

As required by employer code.

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 | Foamy Spray |
| Color | White. |
| Form | Spray |
| Odor | Various |
| Odor threshold | Not available |
| Physical state | Gas |
| pH | 12.35 (Basic) |
| Freezing point | Not available |
| Boiling point | Not available |
| Pour point | Not available |
| Evaporation rate | Not available |
| Flash point | > 200 °F (> 93.33 °C) Tag Closed Cup |
| 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 | 34 - 40 psig @ 70°F |
| Vapor density | > 1 (concentrate) |
| Specific gravity | 1.007 - 1.036 |
| Octanol/water coefficient | Not available |
| Solubility (H₂O) | Miscible |
| VOC (Weight %) | Not available |
| Viscosity | Not available |
| Percent volatile | Not available |

10. Stability and Reactivity

| | |
|---|---|
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | Aerosol containers are unstable at temperatures above 49°C (120.2°F). DO NOT MIX WITH BLEACH or use in conjunction with other household products. Excessive heat. |
| Incompatible materials | Oxidizers. Acids. |
| Hazardous decomposition products | May include and are not limited to: Oxides of carbon. Oxides of nitrogen. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |

11. Toxicological Information

Component analysis - LC50

| Ingredient(s) | LC50 |
|--|-----------------|
| Didecyl Dimethyl Ammonium Chloride | Not available |
| Diocetyl Dimethyl Ammonium Chloride | Not available |
| Ethanol, 2-(2-butoxyethoxy)- | Not available |
| Isobutane | 658 mg/l/4h rat |
| Octyl Decyl Dimethyl Ammonium Chloride | Not available |
| Tetrasodium ethylenediamine tetraacetate | Not available |

Component analysis - Oral LD50

| Ingredient(s) | LD50 |
|--|--|
| Didecyl Dimethyl Ammonium Chloride | Not available |
| Dioctyl Dimethyl Ammonium Chloride | Not available |
| Ethanol, 2-(2-butoxyethoxy)- | 2000 mg/kg guinea pig; 3384 mg/kg rat; 2200 mg/kg rabbit |
| Isobutane | Not available |
| Octyl Decyl Dimethyl Ammonium Chloride | Not available |
| Tetrasodium ethylenediamine tetraacetate | 2000 mg/kg rat |

Effects of acute exposure

| | |
|------------------------------|---|
| Eye | May cause eye irritation. Avoid contact with eyes. |
| Skin | May cause skin irritation. Avoid skin contact. Not expected to be a skin sensitizer. |
| Inhalation | None expected during normal conditions of use. |
| Ingestion | None expected during normal conditions of 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. |
| 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 Algae Data

| | | |
|--|----------|---|
| Ethanol, 2-(2-butoxyethoxy)- | 112-34-5 | 96 Hr EC50 Desmodesmus subspicatus: >100 mg/L |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | 72 Hr EC50 Desmodesmus subspicatus: 1.01 mg/L |

Ecotoxicity - Freshwater Fish Species Data

| | | |
|--|----------|--|
| Ethanol, 2-(2-butoxyethoxy)- | 112-34-5 | 96 Hr LC50 Lepomis macrochirus: 1300 mg/L [static] |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | 96 Hr LC50 Lepomis macrochirus: 41 mg/L [static]; 96 Hr LC50 Pimephales promelas: 59.8 mg/L [static] |

Ecotoxicity - Water Flea Data

| | | |
|--|----------|--|
| Ethanol, 2-(2-butoxyethoxy)- | 112-34-5 | 24 Hr EC50 Daphnia magna: 2850 mg/L; 48 Hr EC50 Daphnia magna: >100 mg/L |
| Tetrasodium ethylenediamine tetraacetate | 64-02-8 | 24 Hr EC50 Daphnia magna: 610 mg/L |

| | |
|--|---------------|
| Environmental effects | Not available |
| Aquatic toxicity | Not available |
| Persistence / degradability | Not available |
| Bioaccumulation / accumulation | Not available |
| Partition coefficient | Not available |
| Mobility in environmental media | Not available |
| Chemical fate information | Not available |

13. Disposal Considerations

| | |
|--|---|
| Waste codes | Not available |
| Disposal instructions | Review federal, state and local government requirements prior to disposal. Do not reuse empty container. Replace cap and discard in trash. Do not incinerate or puncture. |
| Waste from residues / unused products | Not available |
| Contaminated packaging | Not available |

14. Transport Information

U.S. Department of Transportation (DOT)

UN 1950, Aerosols, Class 2.1, Re-classed as
Consumer Commodity ORM-D

Transportation of Dangerous Goods (TDG - Canada)

UN 1950, Aerosols, Class 2.1, Re-classed as
Consumer Commodity/ LTD. QTY.

IMDG (Marine Transport)

UN 1950, Aerosols, Class 2.1, Limited Quantity

IATA/ICAO (Air)

UN1950, Aerosols, Flammable, Limited Quantity

15. Regulatory Information

US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

Product Registration: Registered with EPA, EPA Reg. No. 777-71-675

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - Yes
Reactivity Hazard - No

Section 302 extremely hazardous substance No

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.

U.S. - Massachusetts - Right To Know List

Isobutane 75-28-5 Present

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

Isobutane 75-28-5 sn 1040

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

Isobutane 75-28-5 Present

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

36241-95524-3 - LYSOL® IC™ Foaming Disinfectant Disinfectant Cleaner (Aerosol) - 24 oz. - 0074422

Issue date

20-Jul-2010

Effective date

15-Jul-2010

Prepared by

Reckitt Benckiser Regulatory Department 800-333-3899