



## PRODUCT SAFETY DATA SHEET

Print date: 17 Oct 2007

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Item Number / Product code:** Product No. BE022

**Product name:** LYSOL® BRAND I.C. QUATERNARY DISINFECTANT CLEANER (CONCENTRATE)

**Validation / Revision Date:** 17 October 2007

**EPA Identifier:** EPA Reg. Number 47371-129-675

**Formula Number:** HWS-256-5210P (366519)

**UPC Number and Size:** 36241-74983 (128 Fl. Oz. / 1 Gallon / 3.79 L.)

**Product Description:** Concentrated quaternary ammonium disinfectant, deodorizing and cleaning product used at 1:256 dilution for hard, non-porous, inanimate surfaces.

**Manufacturer:** Reckitt Benckiser North America, Inc.  
Morris Corporate Center IV  
399 Interpace Parkway (P.O. Box 225)  
Parsippany, New Jersey 07054-0225

**Emergency telephone number:** 1-800-228-4722 (U.S.)

**Transportation Emergencies:** 1-800-424-9300 (U.S. & Canada) CHEMTREC  
Outside the U.S. and Canada (North America), call: 703-527-3887

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Components:**

SOD HYDROXIDE 50% RAYON  
 1310-73-2  
 EDTA ACID  
 60-00-4  
 DIALKYL QUAT/ADBAC  
 NA  
 OCTYL DIMETHYL AMINEOXIDE  
 2605-78-9

Wt %	ACGIH:	OSHA:
1-3	Ceiling: 2 mg/m <sup>3</sup> @10	TWA (PEL): 2 mg/m <sup>3</sup> @10
1-3	None	None
20-25	None	None
5-10	None	None

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**DANGER: CORROSIVE!**

Causes irreversible eye damage and skin burns.

Harmful if swallowed

DO NOT get in eyes, on skin or on clothing.

When handling product, protect eyes by wearing goggles or face shield and protect skin by wearing protective gloves and protective clothing.

Wash thoroughly with soap and water after handling.

Remove contaminated clothing and wash clothing before reuse.

**KEEP OUT OF REACH OF CHILDREN**

### 4. FIRST AID MEASURES

**Inhalation:** Move to fresh air.

**Skin contact:** If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for at least 15-20 minutes. Call a Poison Control Center or Doctor for treatment advice.

**Eye contact:** In case of eye contact, hold eyes open and IMMEDIATELY rinse eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing for at least 15 minutes. Get IMMEDIATE medical attention!

**Ingestion:** If swallowed, Call a Poison Control Center or Doctor IMMEDIATELY for treatment advice. Have person sip a glass of water if able to swallow. 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. Have the product container or label with you when calling a Poison Control Center or Doctor or when going for treatment.

**Notes to physician:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

**Aggravated Medical Conditions:** No information available.

### 5. FIRE-FIGHTING MEASURES

**Flash point:** Closed Cup: 71.111° C (160° F). Tagliabue.

**Flammability Limits in Air:**

**Lower:** No information available.

**Upper:** No information available.

Autoignition temperature: No information available.

Suitable extinguishing media: As suitable for surrounding fire.

Extinguishing media which must not be used for safety reasons: None known

Specific hazards: DANGER!  
CORROSIVE!  
Combustible liquid.  
Contains surfactants.  
Contains Benzalkonium Chloride.  
See Section 3, Hazards Identification.

Unusual hazards: Thermal decomposition products may yield carbon monoxide, carbon dioxide, ammonia, nitrous oxides and hydrogen chloride.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.

Specific methods: Standard procedure for chemical fires.

**NFPA:** Health: 3 Flammability: 2 Instability: 0

**HMIS:** Health: 3 Flammability: 2 Reactivity: 0

**Key:** Personal Protection Index = D.  
(Also see Sections 3 & 8)

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** DANGER:  
CORROSIVE!  
Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation.  
Read and follow container directions.  
Wear appropriate personal protective equipment.  
For clean-up of any quantity spill, wear appropriate skin and eye / face protection.

**Environmental precautions:** Do not allow material to contaminate ground water system.

**Methods for cleaning up:** Do not contaminate food, feed or water.

Small spills: Dilute with water and mop up, or absorb with an inert material and place in an appropriate waste disposal container.

Large spills: Contain and collect for later disposal according to local, provincial, state or federal regulations.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	<p>DANGER!  CORROSIVE TO EYES AND SKIN!  Causes irreversible eye damage and skin burns.  Wear eye / face protection and impervious gloves.  Combustible liquid.</p> <p>It is a violation of federal law to use this product in a manner inconsistent with the product label.</p>
<b>Safe handling advice:</b>	Read label carefully and follow dilution chart on container to prepare correct solution strength.
<b>Storage:</b>	<p>Keep product under locked storage, inaccessible to children.  Do not reuse container.  Rinse thoroughly, securely wrap empty container in several layers of newspaper, and discard in trash or recycle.</p>
<b>Incompatible products:</b>	<p>Do not mix with anything but water.  Do not store near high heat sources, sparks or open flame.</p>

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:** For occupational exposures, ensure adequate ventilation.

### Personal Protective Equipment

<b>Respiratory protection:</b>	None required under normal use conditions.
<b>Hand protection:</b>	<p>CORROSIVE TO SKIN!  Avoid skin contact.  Wash hands after use.  Wear protective impervious gloves when handling.  Emergency responders should wear impermeable gloves.</p>
<b>Skin and body protection:</b>	<p>In case of continuous exposure or occupational operations, wear lightweight protective clothing.  Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.</p>
<b>Eye protection:</b>	<p>CORROSIVE TO EYES!  DO NOT get in eyes.  Wear eye / face protection.  Emergency responders should wear full eye and face protection.</p>
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid.
<b>Appearance:</b>	Clear liquid.
<b>Colour:</b>	Amber
<b>Odour:</b>	Mild. Characteristic.
<b>pH:</b>	7.2 - 8.2 @ 25° C.
<b>Flash point:</b>	71.111° C (160° F).
<b>Specific gravity:</b>	0.99 - 1.01 @ 25° C.
<b>Vapour pressure:</b>	Not determined.

Solubility: Completely soluble.

**Explosion limits:**

- upper: No data available.  
- lower: No data available.

**10. STABILITY AND REACTIVITY**

Stability: Stable under recommended storage conditions.  
Polymerization: Hazardous polymerisation does not occur.  
Hazardous decomposition products: Oxides of carbon and unknown organic compounds.  
Materials to avoid: Do not mix with other household chemicals.  
Conditions to avoid: Store away from excessive heat and moisture.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

**Component Information:**

**Product Information**

LC50/inhalation/4h/rat = No information available.  
LD50/dermal/rabbit = No information available.  
LD50/oral/rat = No information available.

**Local effects**

Skin irritation: Corrosive to skin !  
Causes burns  
Avoid skin contact.  
Eye irritation: Corrosive to eyes !  
Causes irreversible eye damage.  
Inhalation Use only in a well ventilated area.  
Ingestion Harmful if swallowed.  
See Section 4 for First Aid instructions.  
Sensitization Not expected to be a skin sensitiser.  
Chronic toxicity: No information available.

**Specific effects**

Carcinogenic effects: Not listed as carcinogenic by OSHA, NTP or IARC.  
Mutagenic effects: No information available.  
Reproductive toxicity: No information available.  
Target organ effects: No information available.

Information is based on data on the components and the toxicology of similar products.

**12. ECOLOGICAL INFORMATION**

**Product Information**

Product code: 366519

Product name: LYSOL® BRAND I.C.  
QUATERNARY DISINFECTANT CLEANER  
(CONCENTRATE)

Aquatic toxicity: May be harmful to aquatic organisms if bulk quantities are spilled into a water source.

**Component Information:**

EDTA ACID  
60-00-4 (1-3)

Ecotoxicity: > 100 mg/L LC50 water flea Static, as trisodium salt  
= 129 mg/L LC50 channel catfish  
= 340 mg/L LC50 rainbow trout  
= 486 mg/L LC50 bluegill sunfish

**Other information:**

Ozone depletion potential; ODP; (R-11 = 1) = No information available.  
Global warming potential (GWP) = No information available.

**Additional ecological information:**

Bulk quantities, if spilled, would be toxic to aquatic organisms, fish, birds and mammals. Control and clean up all exterior spills and prevent product from entering any streams, rivers, lakes and all other bodies of water.

**13. DISPOSAL CONSIDERATIONS**

Waste from residues / unused products: Dispose of in accordance with local regulations.

Contaminated packaging: Do not re-use empty containers.  
Rinse thoroughly, securely wrap empty container in several layers of newspaper, and discard in trash or recycle.

Waste Disposal: Wear appropriate personal protective equipment when cleaning or handling waste material.

Small quantities of combustible liquid waste: Wipe up with an appropriate disposable material and discard in a container approved for combustible / flammable waste.  
Large quantities of waste liquid: Contain and collect for evaluation and disposal according to local, state, provincial and federal regulations.

**14. TRANSPORT INFORMATION**

UN / Id No: UN 1903

**DOT:**

Classification: UN 1903, Disinfectant, Liquid, Corrosive, N.O.S. (Didecyl Dimethyl Ammonium Chloride, Alkyl Dimethyl Benzyl Ammonium Chloride), Class 8, PG III, Limited Quantity.  
Re-Classed as Consumer Commodity ORM-D.

Proper shipping name: Consumer Commodity ORM-D

U.S. DOT - Hazard Class: Not applicable.

Subsidiary risk: Not applicable.

Packing Group: Not applicable.

DOT RQ (lbs): Not applicable.

ERG No: 153

**TDG (Canada):**

Classification: UN 1903, Disinfectant, Liquid, Corrosive, N.O.S. (Didecyl Dimethyl Ammonium Chloride, Alkyl Dimethyl Benzyl Ammonium Chloride), Class 8, PG III, Limited Quantity.  
Re-Classed as Consumer Commodity / Limited Quantity.

Proper shipping name: Consumer Commodity / LTD. QTY.

Status: Not applicable.

Packing Group: Not applicable.

WHMIS hazard class: E Corrosive material

**IMDG / IMO**

Classification: UN 1903, Disinfectant, Liquid, Corrosive, N.O.S. (Didecyl Dimethyl Ammonium Chloride, Alkyl Dimethyl Benzyl Ammonium Chloride), Class 8, PG III, Limited Quantity.

Proper shipping name: Disinfectant, Liquid, Corrosive, N.O.S. (Didecyl Dimethyl Ammonium Chloride, Alkyl Dimethyl Benzyl Ammonium Chloride)

Class: 8

Subsidiary Risk: Not applicable.

Packing group: III

IMDG page: Not applicable.

Marine pollutant: Not applicable.

EMS: F-A / S-B

MFAG: See Guide.

Maximum quantity: See IMDG List.

**ADR / RID**

Classification: Not applicable.

Proper shipping name: Not applicable.

Class: Not applicable.

Subsidiary risk: Not applicable.

Packing Group: Not applicable.

ADR/RID-labels: Not applicable

Hazard Identification Number: Not applicable.

CEFIC Tremcard No: Not applicable.

**ICAO / IATA:**

Classification: UN 1903, Disinfectant, Liquid, Corrosive, N.O.S. (Didecyl Dimethyl Ammonium Chloride, Alkyl Dimethyl Benzyl Ammonium Chloride), Class 8, PG III.

Proper shipping name: Disinfectant, Liquid, Corrosive, N.O.S. (Didecyl Dimethyl Ammonium Chloride, Alkyl Dimethyl Benzyl Ammonium Chloride)

Class: 8

Subsidiary Risk: Not applicable

Packing Group: III

Maximum quantity: See DG List.

**15. REGULATORY INFORMATION**

Components:	PICCS:	TSCA:	DSL:	NDSL:	ENCS:	CHINA:	AICS:	EINECS-No
SOD HYDROXIDE 50% RAYON						Present	Present	215-185-5
EDTA ACID						Present	Present	200-449-4
OCTYL DIMETHYL AMINEOXIDE						Present		

**U.S. Regulations:**

**Components:** SOD HYDROXIDE 50% RAYON - 1310-73-2

NJRTK: Not Listed.

California Proposition 65 - None

CERCLA/SARA 313: None

**Components:** EDTA ACID - 60-00-4

NJRTK: Not Listed.

California Proposition 65 - None

CERCLA/SARA 313: None

**Components:** DIALKYL QUAT/ADBAC - NA

NJRTK: Not Listed.

California Proposition 65 - None

CERCLA/SARA 313: None

**Components:** OCTYL DIMETHYL AMINEOXIDE - 2605-78-9

NJRTK:  
California Proposition 65 -  
CERCLA/SARA 313: None

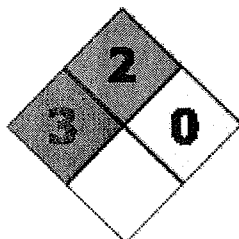
Not Listed.  
None.

**Canada**

WHMIS hazard class: E Corrosive material

**16. OTHER INFORMATION**

National Fire  
Protection  
Association (U.S.A.):



HMIS (U.S.A.):

Health Hazard	3
Fire Hazard	2
Reactivity	0
Personal Protection	D

Reason for revision:

Revision of data and / or an update of the PSDS.

Additional advice:

This product should only be used as directed on the label and for the purpose intended.

Prepared by:

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