



PRODUCT SAFETY DATA SHEET

Print date: 01 Aug 2007

1. PRODUCT AND COMPANY IDENTIFICATION

Item Number / Product code: 0099089

Product name: LYSOL® BRAND DISINFECTANT DEEP REACH TOILET BOWL CLEANER (LIQUID)

Validation / Revision Date: 01 August 2007

EPA Identifier: EPA Reg. Number: 777-81

Formula Number: 1200-016A (0099089)

UPC Number and Size: 19200-80088 (24 fl. oz.)

Product Description: Toilet bowl cleaner (liquid).

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:

PARETH 25-9
68131-39-5
HYDROCHLORIC ACID 30%
7647-01-0
PEG-2 TALLOW AMINE
61791-26-2

Wt %	ACGIH:	OSHA:
1-3	None	None
30-35	Ceiling: 2 ppm @10	Ceiling: 5 ppm @10 Ceiling: 7 mg/m ³ @10
1-5	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER:

CORROSIVE.

Causes irreversible eye damage and skin burns.

HARMFUL OR FATAL IF SWALLOWED!

Do not spray in eyes, on skin or on clothing.

Wear protective eyewear (safety glasses / goggles / faceshield).

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

Remove and wash contaminated clothing before re-use.

DO NOT breathe in vapors or fumes.

Contains Hydrochloric Acid.

KEEP OUT OF REACH OF CHILDREN

Additional Information:

Do not use with chlorine bleach or any other chemical products. Will not harm plumbing or septic systems. Fumes are corrosive to metal.

4. FIRST AID MEASURES

Inhalation:

If inhaled, move person to fresh air. If person is NOT breathing, Call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a Poison Control Center or Doctor for further treatment advice.

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:

If in eyes, IMMEDIATELY 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. Call a Poison Control Center or doctor for treatment advice.

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.

Notes to physician:

Contains hydrochloric acid.
Probable mucosal damage may contraindicate the use of gastric lavage .

Aggravated Medical Conditions:

No information available.

5. FIRE-FIGHTING MEASURES

Flash point:

CLOSED CUP: Higher than 93.3° C (>200° 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.
Flood with copious amounts of water!

Extinguishing media which must not be used for safety reasons:

No information available.

Specific hazards:	DANGER! CORROSIVE! Contains hydrochloric acid.		
Unusual hazards:	Do not mix with chlorine bleach, strong alkali materials or other household chemicals.		
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: 0	Instability: 1
HMIS:	Health: 3	Flammability: 0	Reactivity: 1
Key:	Personal Protection Index = D. (Also see Sections 3 & 8)		

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	DANGER: CORROSIVE! Avoid contact with eyes, skin and clothing. Use personal protective equipment. Read and follow container directions.
Environmental precautions:	Do not allow material to contaminate ground water system.
Methods for cleaning up:	When performing the required clean-up operation, wear the appropriate personal protective equipment such as impervious gloves and eye / face protection. 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

Handling:	DANGER! CORROSIVE TO EYES AND SKIN! Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Use only as directed! Read container label instructions carefully.
Storage:	Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container in areas inaccessible to small children and pets. Do not reuse container. Discard empty container in household trash.
Incompatible products:	Incompatible with bleach and alkali materials. Fumes are corrosive to metal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures
to reduce exposure:**

For occupational exposures, ensure adequate ventilation.

Personal Protective Equipment

Respiratory protection:

None required under normal use conditions.
Avoid breathing vapours or fumes from drain.
For occupational exposures, where exhaust ventilation is not adequate to control contaminant levels to below the regulatory TWA, appropriate acid gas or self-contained breathing apparatus (SCBA) respiratory equipment should be worn.
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.

Hand protection:

CORROSIVE TO SKIN!
Wear impervious gloves where the potential for contact with the liquid is possible.
Emergency responders should wear impermeable gloves.

Skin and body protection:

Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow product label instructions.
In case of continuous exposure or occupational operations, wear protective clothing designed and appropriate for acid chemical exposure.
Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

Eye protection:

CORROSIVE TO EYES!
Risk of serious damage to the eyes.
Safety glasses.
Safety glasses with side-shields.
Tightly fitting safety goggles.
Face-shield.
Emergency responders should wear full eye and face protection.

Hygiene measures:

Avoid contact with eyes, skin, and clothing.
Keep away from food, drink and animal feeding stuffs.
Wash hands with soap and water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid.
Appearance:	Liquid.
Colour:	Dark blue
Odour:	Wintergreen
pH:	<1.0 (Strong Acidic)
Flash point:	Greater than 93° C (>200° F)
Specific gravity:	Greater than (>) 1.0. (Water = 1.0)
Vapour pressure:	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 chlorine bleach and strong alkali compounds.
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 liquid.
Causes burns
Avoid skin contact.

Eye irritation: Corrosive liquid.
May cause irreversible eye damage
Avoid eye contact.

Inhalation Do not breathe vapours or fumes from the drain.
May be harmful if directly inhaled.
For occupational exposures, ensure adequate exhaust ventilation to control contaminant levels are below the TLV or PEL, or wear appropriate personal protective equipment (respirator).

Ingestion Contains hydrochloric acid.
May be harmful or fatal 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

Aquatic toxicity: Due to the low pH (Acidic), bulk quantities may be harmful to aquatic organisms if spilled into a water source. This product is toxic to fish, birds and wildlife. Control any large quantity spills and keep out of any body of water.

Component Information:
HYDROCHLORIC ACID 30%
7647-01-0 (30-35)

Ecotoxicity: = 3.6 mg/L LC50 bluegill

Other information:

Ozone depletion potential; ODP; (R-11 = 1) =
Global warming potential (GWP) =

No information available.
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:

Solutions with low ph-value must be neutralised before discharge.
Consumer instructions - Liquid may be disposed of by pouring to drain and rinsing with large quantities of water.
Packaging may be disposed of with normal household waste.
Bulk quantities (unsold stock) - dispose of in accordance with local / national legislation.

Contaminated packaging:

Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

Waste Disposal:

Small quantities of waste liquid may be discharged into a sanitary sewer. Discard any absorbed material in trash collection. Rinse empty container thoroughly and discard in trash or recycle.

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 1760

DOT:

Classification:

**UN 1760 - Corrosive Liquid, N.O.S. (Hydrochloric Acid, Hydroxyethyl alkylamine) Class 8, PG II, Limited Quantity
Re-Classed as Consumer Commodity ORM-D.**

Proper shipping name:
U.S. DOT - Hazard Class:
Subsidiary risk:
Packing Group:
DOT RQ (lbs):
ERG No:

Consumer Commodity
Not applicable.
Not applicable.
Not applicable.
Not applicable.
171 / 154

TDG (Canada):

Classification:

UN 1760 - Corrosive Liquid, N.O.S. (Hydrochloric Acid, Hydroxyethyl alkylamine) Class 8, PG II, Limited Quantity
Re-Classed as Consumer Commodity / Limited Quantity.

Proper shipping name:
Status:
Packing Group:
WHMIS hazard class:

Consumer Commodity
Not applicable.
Not applicable.
E Corrosive material

IMDG / IMO

Classification:

UN 1760 Corrosive Liquid, N.O.S., (Contains Hydrochloric Acid and Hydroxyethyl alkylamine), Class 8, PG II, Limited Quantity.

Proper shipping name:
Class:
Subsidiary Risk:
Packing group:
IMDG page:

Corrosive Liquid, N.O.S., (Contains Hydrochloric Acid and Hydroxyethyl alkylamine)
8
Not applicable.
II
Not applicable.

Marine pollutant: Not applicable.
EMS: F-A / S-B
MFAG: See Guide.
Maximum quantity: See DG 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 1760 Corrosive Liquid, N.O.S., (Contains Hydrochloric Acid and Hydroxyethyl alkylamine), Class 8, PG II.
Proper shipping name: Corrosive Liquid, N.O.S., (Contains Hydrochloric Acid and Hydroxyethyl alkylamine)
Class: 8
Subsidiary Risk: Not applicable
Packing Group: II
Maximum quantity See DG List and applicable packing instructions.

15. REGULATORY INFORMATION

Components:	PICCS:	TSCA:	DSL:	NDSL:	ENCS:	CHINA:	AICS:	EINECS-No
PARETH 25-9					Present.	Present	Present	None.
HYDROCHLORIC ACID 30%						Present	Present	231-595-7
PEG-2 TALLOW AMINE						Present	AICS No. 310-94-1A	

U.S. Regulations:

Components: *PARETH 25-9 - 68131-39-5*
NJRTK: Not Listed.
California Proposition 65 - CERCLA/SARA 313: None
Components: *HYDROCHLORIC ACID 30% - 7647-01-0*
NJRTK: Not Listed.
California Proposition 65 - CERCLA/SARA 313: None
Components: *PEG-2 TALLOW AMINE - 61791-26-2*
NJRTK: Not Listed.
California Proposition 65 - CERCLA/SARA 313: 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	0
Reactivity	1
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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