



PRODUCT SAFETY DATA SHEET

Print date: 24 Aug 2006

1. PRODUCT AND COMPANY IDENTIFICATION

Item Number / Product code: 362087

Product name: LYSOL® BRAND DISINFECTANT TOILET BOWL CLEANER PLUS BLEACH

Validation / Revision Date: 22 August 2006

EPA Identifier: EPA Reg. Number: 777-83

Formula Number: 492-053B (362087)

UPC Number and Size: 19200-74246 (16 oz.); 19200-75055 (24 oz.).

Product Description: Toilet bowl cleaner w/ bleach. (<5% Chlorine Bleach)

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:

MONTMORILLONITE
1318-93-0
SOD HYDROXIDE 25% MEMBRAN
1310-73-2
MYRISTAMINE OXIDE 30%
3332-27-2
SODIUM HYPOCHLORITE 13%
7681-52-9
SODIUM LAUROYL SARCOSINAT
137-16-6

Wt %	ACGIH:	OSHA:
0-1	None	None
1-5	Ceiling: 2 mg/m ³ @10	TWA (PEL): 2 mg/m ³ @10
5-10	None	None
15-20	None	None
0-1	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING: EYE AND SKIN IRRITANT.

Harmful if swallowed

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

For sensitive skin or prolonged use, wear appropriate skin protection (rubber gloves).

Odors may irritate.

Use only in well ventilated areas.

Avoid prolonged breathing of vapors.

Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease.

KEEP OUT OF REACH OF CHILDREN

4. FIRST AID MEASURES

Inhalation:	Move to fresh air.
Skin contact:	Wash off immediately with soap and plenty of water. If skin irritation occurs or persists, call a physician.
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, rinse mouth and drink a glass of water. Call a physician or Poison Control Center IMMEDIATELY! Never give anything by mouth to an unconscious person.
Notes to physician:	Contains Bleach and Sodium Hydroxide. Contains surfactants.
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.
Extinguishing media which must not be used for safety reasons:	No information available.
Specific hazards:	Contains bleach and sodium hydroxide. Contains surfactants.
Unusual hazards:	Acid and heat accelerate decomposition. Decomposition products may include chlorine gas.
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:** 2 **Flammability:** 0 **Instability:** 0

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

Key: Personal Protection Index = D.
(Also see Section 3)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation.
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 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:	WARNING: EYE AND SKIN IRRITANT! Do not get in eyes, on skin or on clothing. Odors may irritate. Use with adequate ventilation. Avoid prolonged breathing of vapor. Harmful if swallowed.
Safe handling advice:	Read and follow product label instructions. Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma, emphysema or obstructive lung disease.

Storage: Store containers in an upright position in a cool, dry area, inaccessible to small children and pets.
Do not reuse container.
Discard empty container in household trash.
KEEP OUT OF REACH OF CHILDREN

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

Incompatible products: This product should not be used on or placed on toilet bowl lids, vanities, sinks, bathtubs, cabinets, counter tops, rugs, etc.
DO NOT mix with household chemicals, such as products containing ammonia, other toilet bowl cleaners, other acidic cleaners or other Lysol® products as hazardous gases may be released.

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.

Hand protection: Wear impervious gloves where the potential for contact with the liquid is possible.

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow product label instructions.

Eye protection: Safety glasses.

Hygiene measures: Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Viscous liquid.

Appearance: Opaque

Colour: Royal blue.

Odour: Apple.

pH: 12.7 - 13.2.
pH of the liquid "as is" @ 25° C (77° F)
Strongly alkaline.

Flash point: Greater than 93° C (>200° F)

Specific gravity: 1.05 - 1.07

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.
May generate chlorine or oxygen.

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:

Skin irritant.

Eye irritation:

Eye irritant.

Inhalation

Avoid breathing vapors.

Odors may irritate.

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

Aquatic toxicity:

Because of pH change (Higher / Alkaline) when in water, bulk quantity spills present the possibility of danger to aquatic life.

Component Information:

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 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.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Dispose of in accordance with local regulations.

Contaminated packaging:

Do not re-use empty containers.
Dispose of empty container in household trash.

Waste Disposal:

Wearing appropriate personal protective equipment, collect and store in an appropriate container for disposal according to local, state, provincial and federal regulations.

14. TRANSPORT INFORMATION

UN / Id No:

UN 3266

DOT:**Classification:**

UN 3266 - Corrosive Liquid, Basic, Inorganic N.O.S. (Sodium Hypochlorite, Sodium Hydroxide), Class 8, PG II.

Re-Classed as Consumer Commodity ORM-D.

Proper shipping name:

Consumer Commodity

U.S. DOT - Hazard Class:

Not applicable.

Subsidiary risk:

Not applicable.

Packing Group:

Not applicable.

DOT RQ (lbs):

Not applicable.

ERG No:

ERG 171
- (154 as UN 3266)

TDG (Canada):**Classification:**

UN3266, Corrosive Liquid, Basic, Inorganic N.O.S. (Sodium Hypochlorite, Sodium Hydroxide), Class 8, Packing Group II, Limited Quantity.

Re-Classed as Consumer Commodity - LTD QTY.

Proper shipping name:

Consumer Commodity / LTD. QTY.

Status:

Not applicable.

Packing Group:

Not applicable.

WHMIS hazard class:

E Corrosive material

IMDG / IMO**Classification:**

UN 3266, Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hypochlorite, Sodium Hydroxide), Class 8, PG II, Limited Quantity.

Proper shipping name:

Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hypochlorite, Sodium Hydroxide)

Class:

8

Subsidiary Risk:

Not applicable.

Packing group:

II

IMDG page:

See DG List.

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 3266, Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hypochlorite, Sodium Hydroxide), Class 8, PG II, Limited Quantity.
Proper shipping name: Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hypochlorite, Sodium Hydroxide)
Class: 8
Subsidiary Risk: Not applicable
Packing Group: II
Maximum quantity: See DG List.

15. REGULATORY INFORMATION

Components:	PICCS:	TSCA:	DSL:	NDSL:	ENCS:	CHINA:	AICS:	EINECS-No
MONTMORILLONITE						Present	Present	215-288-5
SOD HYDROXIDE 25% MEMBRAN						Present	Present	215-185-5
MYRISTAMINE OXIDE 30%						Present	Present	222-059-3
SODIUM HYPOCHLORITE 13%						Present	Present	231-668-3
SODIUM LAUROYL SARCOSINAT						Present	Present	205-281-5

U.S. Regulations:

Components: MONTMORILLONITE - 1318-93-0
California Proposition 65 - None.
Components: SOD HYDROXIDE 25% MEMBRAN - 1310-73-2
California Proposition 65 - None.
Components: MYRISTAMINE OXIDE 30% - 3332-27-2
California Proposition 65 - None.
Components: SODIUM HYPOCHLORITE 13% - 7681-52-9
California Proposition 65 - None.
Components: SODIUM LAUROYL SARCOSINAT - 137-16-6
California Proposition 65 - None.

Canada

WHMIS hazard class: E Corrosive material

16. OTHER INFORMATION

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



HMIS (U.S.A.):

Health Hazard	2
Fire Hazard	0
Reactivity	0
Personal Protection	D

Reason for revision: This is a new formulation of an existing product.

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

Prepared by:

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