

L & F products

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# Material Safety Data Sheet

Section 1. Product and Company Identification			
<b>Product Name</b>	<b>LYSOL® BRAND HARD WATER STAIN CLEANER</b>	<b>MSDS#</b>	Not available.
<b>Product Description</b>	Liquid Cleaner for Non-Porous Bathroom Surfaces.	<b>Validation Date</b>	7/25/2000
<b>Manufacturer</b>	Reckitt Benckiser Inc. 1655 Valley Road Wayne, N.J. 07474	<b>Print Date</b>	1/16/2001
<b>Product Identifier</b>	EPA Registration No. 777-86	<b>In case of Emergency:</b>	Telephone: 800-228-4722
<b>Item Number</b>	354088	<b>Transportation Emergencies:</b>	Chemtrec: 800-424-9300
<b>Formula Number</b>	V-0651-14		
<b>UPC Number</b>	19200-03613 (22 oz.)		

Section 2. Composition and Information on Ingredients			
Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	3.0	Not available.
2) HYDROXYACETIC ACID	79-14-1	3-5	Not available.
SULFAMIC ACID	5329-14-6	3-5	Not available.

Section 3. Hazards Identification	
<b>Emergency Overview</b>	<p>DANGER: Corrosive. Causes eye injury. Do not get in eyes. Odors may irritate. Avoid prolonged breathing of vapors. Use only in well ventilated areas. KEEP OUT OF REACH OF CHILDREN.</p> <p>NOT RECOMMENDED FOR USE BY PERSONS WITH HEART CONDITIONS OR CHRONIC RESPIRATORY PROBLEMS SUCH AS ASTHMA, EMPHYSEMA OR OBSTRUCTIVE LUNG DISEASE.</p> <p>DO NOT mix with any other product, especially bleach or mildew stain removers, as toxic fumes may result.</p>

Section 4. First Aid Measures	
<b>Eye Contact</b>	Immediately flush eyes with cool running water. Remove contact lenses, continue flushing eyes for at least 15 minutes. Get medical attention immediately.
<b>Skin Contact</b>	Wash thoroughly with soap and water. If irritation occurs or persists, get medical attention.
<b>Inhalation</b>	If breathing is affected, get fresh air immediately.
<b>Ingestion</b>	Rinse mouth with water. Contact a physician or poison control center if symptoms develop.

**Section 5. Fire and Explosion Data**

<b>Flammability</b>	Not flammable. See Section 14 for any Shipping Classifications.
<b>Flash Point</b>	CLOSED CUP: Higher than 93.3°C (>200°F). (Tagliabue.).
<b>Explosive Limits in Air</b>	Not available.
<b>Products of Combustion</b>	Not available.
<b>Fire and Explosion Hazards</b>	None known.
<b>Fire Fighting Media and Instructions</b>	Use water spray, foam, dry chemical or carbon dioxide, as suitable for the surrounding fire.
<b>Special Fire Fighting Instructions</b>	Wear self-contained breathing apparatus and protective clothing typical for fighting a chemical fire.

**Section 6. Accidental Release Measures**

<b>Accidental Spill</b>	When cleaning up spills, wear appropriate personal protective equipment such as gloves and eye protection. Small spills: Soak up with an inert absorbent material and dispose of in an appropriate waste container. Rinse surface residue and flush to sink or sanitary sewer.  Large spills should be diked, contained and collected for later disposal according to local, state or federal regulations. Ventilate the area to remove vapors and flush spill area residue with water.
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**Section 7. Handling and Storage**

<b>Handling and Storage</b>	Contains hydroxyacetic and sulfamic acids. Do not get in eyes or on skin. Do not use any other spray dispenser with this product.  Store in original container in a secure area inaccessible to children and pets. KEEP OUT OF REACH OF CHILDREN.  It is a violation of federal law to use this product in a manner inconsistent with its labeling.
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**Section 8. Exposure Controls/Personal Protection**

<b>Ventilation Requirements</b>	Use in well ventilated areas (open window / use exhaust fan). If bothered by the vapors, leave the room while the product is working.
<b>Eye Protection</b>	The use of appropriate eye protection is recommended. Emergency responders should wear full eye and face protection.
<b>Skin Protection</b>	For sensitive skin or prolonged use, wear household (rubber) gloves. When handling in large, bulk quantities or responding to emergency situations, the use of impermeable gloves is recommended.
<b>Respiratory Protection</b>	Emergency responders should wear suitable respiratory protection where long term exposure to large areas of spilled liquid is possible such as a major spill, a fire or a clean-up operation.
<b>Other Protection</b>	Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.
<b>Work/Hygienic Practices</b>	Wash thoroughly with soap and water after handling.

**Section 9. Physical and Chemical Properties**

<b>Description</b>	Liquid. (Clear liquid. Water thin.)	<b>Odor</b>	Floral. Green herbal.
<b>pH</b>	0.85 [Acidic.]	<b>Color</b>	Straw color. Yellowish.
<b>Boiling/Condensation Point</b>	Not determined.		
<b>Specific Gravity</b>	1.039 @ 25°C		
<b>Vapor Pressure</b>	Not determined.		
<b>Vapor Density</b>	Not determined.		
<b>Viscosity</b>	Not available.		
<b>Solubility</b>	Complete.		
<b>Physical Chemical Comments</b>	Not available.		

**Section 10. Stability and Reactivity Data**

<b>Chemical Stability</b>	The product is stable.
<b>Conditions of Instability</b>	None known.
<b>Incompatibility with Various Substances</b>	Do not mix with any other product, especially bleach or mildew stain removers as toxic fumes may result.
<b>Hazardous Decomposition products</b>	May evolve small amounts of hydroxyacetic and sulfamic acid fumes.
<b>Hazardous Polymerization</b>	Will not occur.

**Section 11. Toxicological Information**

**Exposure effects**

<b>Eye Contact</b>	Corrosive. Causes eye injury.
<b>Skin Contact</b>	Prolonged and/or repeated contact may cause skin irritation.
<b>Inhalation</b>	Odors may irritate.
<b>Ingestion</b>	Not orally toxic.
<b>Carcinogenicity</b>	Not listed as carcinogenic by OSHA, NTP or IARC.

**Section 12. Ecological Information**

<b>Ecotoxicity</b>	Not available.
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**Section 13. Disposal Considerations**

**Waste Disposal** Dispose of in accordance with local, state and federal regulations.

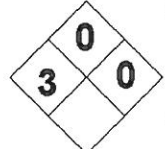
**Section 14. Transport Information**

<b>DOT Classification</b>	Not regulated.	
<b>Proper Shipping Name</b>	Not available.	
<b>DOT Identification Number</b>	Not available.	
<b>Packing Group</b>	Not available.	
<b>Maritime Transportation</b>	Not available.	
<b>Hazardous Substances Reportable Quantity</b>	Not available.	
<b>Special Provisions for Transport</b>	Not available.	
<b>TDG Classification</b>	Not regulated.	
<b>ADR Classification</b>	Not available.	
<b>IMDG Classification</b>	Not regulated.	
<b>IATA Classification</b>	Not regulated.	

**Section 15. Regulatory Information**

<b>Federal and State Regulations</b>	SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting: 1) DIETHYLENE GLYCOL MONOBUTYL ETHER CAS #: 112-34-5 3 %  California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act: 1) Not available.		
<b>Other Classifications</b>	<b>WHMIS (Canada)</b>	Not controlled under WHMIS (Canada).	

**Section 16. Other Information**

<b>HMIS (U.S.A.)</b>	<table border="1"> <tr> <td>Health Hazard</td> <td>3</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>a</td> </tr> </table>	Health Hazard	3	Fire Hazard	0	Reactivity	0	Personal Protection	a	<b>National Fire Protection Association (U.S.A.)</b> Health  Fire Hazard Reactivity Specific hazard
Health Hazard	3									
Fire Hazard	0									
Reactivity	0									
Personal Protection	a									
	<b>NFPA Aerosol Level</b>	Not applicable.								
Validated by Product Safety on 7/25/2000.		Printed 1/16/2001.								

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**Notice to Reader**

*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.*

