



# Material Safety Data Sheet

Section 1. Product and Company Identification	
Product Name	<b>LIME-A-WAY® LIME, CALCIUM &amp; RUST STAIN REMOVER (TOGGLE BOTTLE)</b>
Product Description	Lime-A-Way® Lime, Calcium & Rust Stain Cleaner in a flip-top (toggle) squeeze bottle as a thick liquid for cleaning heavy build up hard water deposits on most surfaces that come in contact with water.
Manufacturer	Reckitt Benckiser Inc. 1855 Valley Road Wayne, N.J. 07474
Product Identifier	Not available
Item Number	51700-39805-03
Formula Number	FF 372831 (756-0188)
UPC Number	51700-39805 (28 oz.)
MSDS#	Not available
Validation Date	7/31/2002
Print Date	7/31/2002
Country of Origin	Telephone: 800-225-6722
Distributor Information	Chemtec: 800-424-9300 (U.S. & Canada)

Section 2. Composition and Information on Ingredients			
Name	CAS #	% by Weight	Exposure Limits: TLV/PEL
1) SULFAMIC ACID	5329-14-5	10-12	Not available
2) CITRIC ACID	77-62-9	1-3	Not available
3) HYDROXYACETIC ACID	79-14-1	2-4	Not available

Section 3. Hazards Identification	
Emergency Overview	<b>DANGER:</b> Contains Sulfamic Acid. <b>HARMFUL IF SWALLOWED. CAUSES EYE AND SKIN BURNS.</b> Contact with eyes and skin may cause irritation or burns. Do not get in eyes, on skin or clothing. Avoid breathing vapors. Use in well ventilated area.  <b>DO NOT MIX WITH BLEACH, MILDEW STAIN REMOVERS OR ANY OTHER HOUSEHOLD CHEMICALS AS HAZARDOUS GASES MAY BE RELEASED. KEEP OUT OF REACH OF CHILDREN.</b>

Section 4. First Aid Measures	
Eye Contact	In case of eye contact, <b>IMMEDIATELY</b> rinse eyes thoroughly with plenty of water. Remove any contact lenses and continue rinsing for at least 15 minutes. Get immediate medical attention.
Skin Contact	In case of skin contact, <b>IMMEDIATELY</b> flush exposed area with plenty of water for at least 15 minutes. Remove any contaminated clothing and wash thoroughly with soap and water before re-wearing. Get immediate medical attention if irritation persists.
Inhalation	Remove to fresh air. If irritation persists get medical attention.
Ingestion	<b>DO NOT</b> induce vomiting. Rinse mouth and give a glass of water to drink. <b>IMMEDIATELY</b> call a physician or poison control center.  <b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.

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**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) (Negative).
<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>	Not a fire hazard. Use extinguishing media suitable for surrounding materials.
<b>Special Fire Fighting Instructions</b>	Wear self-contained breathing apparatus and protective clothing appropriate for fighting a chemical fire.

**Section 6. Accidental Release Measures**

<b>Accidental Spill</b>	Small spills can be flushed to sanitary sewer or soaked up with absorbent material and discarded in the trash.  Large spills: Dike and contain liquid, pump to containers or soak up on inert absorbent. Flush residue to sewer with large amount of water. Dispose of collected material in accordance with all local, state and federal regulations.
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**Section 7. Handling and Storage**

<b>Handling and Storage</b>	<b>DANGER:</b> Contains Sulfuric Acid. Severe eye and skin irritant. Avoid contact with eyes and skin. Harmful if swallowed. Can cause chemical burns of the mouth, throat and stomach.  DO NOT use or mix with chlorine-type detergents, bleach type products, sanitizers or any other cleaners or chemicals as harmful fumes may result. Use with adequate ventilation.  Store in original container in a secure area inaccessible to children and pets, of reach of children. <b>KEEP OUT OF REACH OF CHILDREN.</b>
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**Section 8. Exposure Controls/Personal Protection**

<b>Ventilation Requirements</b>	Avoid prolonged breathing dusts or mists of this product. Ventilation is required when handling or using this product.
<b>Eye Protection</b>	Splashproof glasses, chemical goggles or full face shield. Emergency responders should wear full eye and face protection.
<b>Hand Protection</b>	Rubber gloves with protective cuff or gauntlet type preferred. Emergency responders should wear impermeable gloves.
<b>Respiratory Protection</b>	Avoid inhalation of vapor, mists or dust residue from this product. Emergency responders should wear self contained breathing apparatus (SCBA) to avoid inhalation of the product.
<b>Other Protection</b>	Emergency responders should wear chemical type (impermeable) protective clothing and footwear where direct contact with the chemicals in this product is possible.
<b>Work/Hygiene Practices</b>	Wash thoroughly with soap and water after handling.

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STAIN REMOVER (TOGGLE BOTTLE)**

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**Section 9. Physical and Chemical Properties**

Appearance	Liquid. (Clear viscous liquid.)	Odor	Citrus, Green, Herbal, Lavender
pH	0.5 (Acidic)		Color
Boiling/Condensation Point	Not determined.		
Specific Gravity	1.08 (Water = 1)		
Vapor Pressure	Not determined.		
Vapor Density	Not determined.		
Viscosity	Not available.		
Solubility	Complete.		
Physical Chemical Comments	Not available.		

**Section 10. Stability and Reactivity Data**

Chemical Stability	The product is stable.
Conditions of Instability	None known.
Incompatibility with Various Substances	Can react violently with alkalis and metals.
Hazardous Decomposition Products	None known.
Hazardous Polymerization	None known.

**Section 11. Toxicological Information**

<b>Exposure effects</b>	
Eye Contact	Severe eye irritant. May cause burns.
Skin Contact	Severe skin irritant. May cause burns.
Inhalation	Vapor may cause irritation of nose, throat and upper respiratory tract. Do not breathe vapor or fumes. Persons with asthma or other respiratory problems may be more susceptible.
Ingestion	Harmful if swallowed. Can cause burns to mouth, throat and stomach.
Carcinogenicity	Not listed as carcinogenic by OSHA, NTP or IARC.

**Section 12. Ecological Information**

Ecotoxicity	Not available.
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**Section 13. Disposal Considerations**

**Waste Disposal:** For small amount of liquid waste, discard absorbed material in trash collection or dilute liquid with large quantity of water and flush to sanitary sewer.  
For large quantities of product as a waste, this product is corrosive (D002) according to RCRA. Dispose of in accordance with local, state and federal regulations.

**Section 14. Transport Information**

<b>DOT Classification</b>	ORM-D
<b>Proper Shipping Name</b>	Consumer Commodity
<b>DOT Identification Number</b>	Not applicable
<b>Packing Group</b>	Not applicable
<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>	Corrosive liquid, acidic, organic, n.o.s. (Contains Sulfamic Acid, Hydroxyacetic Acid) Class 3, UN3265, PG I
<b>ADR Classification</b>	Not available
<b>IMDG Classification</b>	DO NOT SHIP - Does not meet IMDG requirements.
<b>IATA Classification</b>	DO NOT SHIP - Does not meet IATA requirements.

**Section 15. Regulatory Information**

<b>Federal and State Regulations</b>	SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting: None California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Substances Act: 1) Not applicable.	
<b>Other Classifications</b>	WHMIS (Canada)	WHMIS CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC)

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<b>Section 16. Other Information</b>							
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3							
0							
0							
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8							
Personal Protection		NFPA Hazard Level: Not applicable. Printed 7/31/2002.					
Validated by Product Safety on 7/31/2002.							
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