



# Material Safety Data Sheet

## Section 1. Product and Company Identification

<b>Product Name</b>	<b>LIME-A-WAY® LIME, CALCIUM &amp; RUST CLEANER (TOGGLE BOTTLE)</b>	<b>MSDS#</b>	Not available
<b>Product Description</b>	A flip-top squeeze bottle (toggle) containing lime scale remover liquid. Formerly known as Lime-A-Way® Professional Strength Lime, Calcium & Rust Cleaner (toggle).	<b>Validation Date</b>	8/23/2000
<b>Manufacturer</b>	Reckitt Benckiser Inc. 1655 Valley Road Wayne, N.J. 07474	<b>Print Date</b>	1/18/2001
<b>Product Identifier</b>	Not available.	<b><u>In case of Emergency:</u></b>	Telephone: 800-228-4722
<b>Item Number</b>	368925	<b><u>Transportation Emergencies:</u></b>	Chemtrec: 800-424-9300
<b>Formula Number</b>	F/F 368925		
<b>UPC Number</b>	51700-39605 (28 oz.), 51700-39602 (16 oz.), 51700-36475 & 51700-39080 (32 oz.)		

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) SULFAMIC ACID	5329-14-6	10-12	Not available.
2) CITRIC ACID	77-92-9	1-3	Not available.
HYDROXYACETIC ACID	79-14-1	2-4	Not available.

## Section 3. Hazards Identification

Emergency Overview	DANGER: Contains Sulfamic Acid. HARMFUL IF SWALLOWED. CAUSES EYE AND SKIN BURNS. 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. 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.
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## Section 4. First Aid Measures

Eye Contact	In case of eye contact, IMMEDIATELY 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, IMMEDIATELY rinse skin with plenty of water for at least 15 minutes. Remove any contaminated clothing and wash thoroughly with soap and water. If irritation persists, get medical attention.
Inhalation	Remove to fresh air. If irritation persists get medical attention.
Ingestion	DO NOT induce vomiting. Rinse mouth and give a glass of water to drink. IMMEDIATELY call a physician or poison control center  NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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**Section 5. Fire and Explosion Data**

Flammability	Not flammable. See Section 14 for any Shipping Classifications.
Flash Point	CLOSED CUP: Higher than 93.3°C (>200°F). (Tagliabue).
Explosive Limits in Air	Not available.
Products of Combustion	Not available.
Fire and Explosion Hazards	None known.
Fire Fighting Media and Instructions	Not a fire hazard. Use extinguishing media suitable for surrounding materials.
Special Fire Fighting Instructions	Wear self-contained breathing apparatus and protective clothing appropriate for fighting a chemical fire.

**Section 6. Accidental Release Measures**

Accidental Spill	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**

Handling and Storage	DANGER: Contains Sulfamic 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. KEEP OUT OF REACH OF CHILDREN.
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**Section 8. Exposure Controls/Personal Protection**

Ventilation Requirements	Avoid prolonged breathing dusts or mists of this product. Ventilation is required when handling or using this product.
Eye Protection	Splashproof glasses, chemical goggles or full face shield. Emergency responders should wear full eye and face protection.
Skin Protection	Rubber gloves with protective cuff or gauntlet type preferred. Emergency responders should wear impermeable gloves.
Respiratory Protection	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.
Other Protection	Emergency responders should wear chemical type (impermeable) protective clothing and footwear where direct contact with the chemicals in this product is possible.
Work/Hygienic Practices	Wash thoroughly with soap and water after handling.

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**Section 9. Physical and Chemical Properties**

Description	Liquid. (Clear, water thin.)	Odor	Citrus, floral, pine scent.
pH	0.5 [Acidic.]	Color	Light green. (Light.)
Boiling/Condensation Point	Not determined		
Specific Gravity	1.05 (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****Exposure effects**

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 of 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****DOT Classification**

ORM-D

**Proper Shipping Name**

Consumer Commodity

**DOT Identification Number**

Not applicable

**Packing Group**

Not applicable

**Maritime Transportation**

Not available.

**Hazardous Substances  
Reportable Quantity**

Not available.

**Special Provisions for  
Transport**

ORM-D: For US Domestic Shipments Only

**TDG Classification**

Consumer Commodity - Transborder Consignment

**ADR Classification**

Not available.

**IMDG Classification**

-Sulfamic Acid, Liq Class 8, UN2967, III-LTD.QTY.

**IATA Classification**

Sulfamic Acid, Liq Class 8, UN2967, III-LTD. QTY.

**Section 15. Regulatory Information****Federal and State  
Regulations**

SARA Title III, Section 313 Toxic Chemical Notification &amp; Release Reporting:

None

California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act:

1) Not Available

**Other Classifications****WHMIS (Canada)**

WHMIS CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).

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**Section 16. Other Information****HMIS (U.S.A.)**

Health Hazard	3
Fire Hazard	0
Reactivity	0
Personal Protection	a

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

Health



Fire Hazard

Reactivity

Specific hazard

**NFPA Aerosol Level**

Not applicable.

Validated by Product Safety on 8/23/2000.

Printed 1/18/2001.

**Notice to Reader**

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