



Material Safety Data Sheet

Section 1. Product and Company Identification	
Product Name	LIME-A-WAY® LIME, CALCIUM & RUST CLEANER (TRIGGER SPRAY)
Product Description	Liquid acid lime scale and soap scum remover. Formerly known as Lime-A-Way® Professional Strength Lime, Calcium & Rust Cleaner (Spray)
Manufacturer	Reckitt Benckiser North America, Inc. Moms Corporate Center IV 360 Interpace Parkway (P.O. Box 226) Parsippany, N.J. 07054-0226
Product Identifier	Not available.
Item Number	308920
Formula Number	FF# 308920 (URL005RW)
LPC Number	51700-30016 (18 oz.)

MSDS#	Not available
Validation Date	4/5/2004
Print Date	4/5/2004
U.S. and Canadian Telephone	Telephone: 800-228-4722
International Telephone	Chemtrac: 1-800-424-8900 (U.S. & Canada) Outside the U.S. & Canada (North America), call: 703-527-3667

Section 2. Composition and Information on Ingredients			
Name	CAS #	% by Weight	Exposure Limits: TLV/PPEL
1) SULFAMIC ACID	5329-14-8	8	Not available.
2) ISOPROPYL ALCOHOL	67-63-0	1-3	TWA: 500 STEL: 1200 (mg/m ³) from ACGIH (TLV) (United States) TWA: 400 STEL: 500 (ppm) from ACGIH (TLV) (United States) TWA: 500 STEL: 1200 (mg/m ³) from OSHA (PEL) (United States) TWA: 400 (ppm) from OSHA (PEL) (United States)
3) HYDROXYACETIC ACID	79-14-1	1-3	Not available.

Section 3. Hazards Identification	
Emergency Overview	DANGER: Contains Sulfamic Acid. HARMFUL IF SWALLOWED. Can cause eye injury and skin irritation. Use in ventilated area. DO NOT MIX WITH BLEACH, MILDEW STAIN REMOVERS OR ANY OTHER PRODUCTS AS TOXIC FUMES MAY RESULT. KEEP OUT OF REACH OF CHILDREN.

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 flush exposed area with plenty of water for at least 15 minutes. Remove any contaminated clothing and wash thoroughly with soap and water. Get immediate medical attention if irritation persists.
Inhalation	Remove to fresh air. If irritation persists or there is any trouble breathing, get immediate medical attention.
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Section 9. Physical and Chemical Properties		
Appearance	Liquid (Clear, water thin)	Odor Fresh-green, floral scent. Color Light lime green. (Light)
pH	2.5 (Acidic)	
Boiling/Condensation Point	Not determined	
Specific Gravity	1.04 (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	Do not mix with anything but water. Can react violently with alkalis and metals.	
Hazardous Decomposition Products	Toxic sulfur oxides can be released if heated to decomposition temperature.	
Hazardous Polymerization	None known.	
Section 11. Toxicological Information		
Key words effects		
Eye Contact	Eye irritant.	
Skin Contact	Skin irritant.	
Inhalation	Vapor may cause irritation of nose, throat and upper respiratory tract. Do not breathe vapor or fumes.	
Ingestion	May be harmful if swallowed.	
Carcinogenicity	Not listed as carcinogenic by OSHA, NTP or IARC.	
Section 12. Ecological Information		
Toxicity	Not available.	

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Ingestion	DO NOT induce vomiting. Drink a glass of water and call a physician or poison control center immediately. NEVER give an unconscious person anything to ingest. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.
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Section 6. 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). (Taglines)
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. Moderate 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. Store in original container in a secure area inaccessible to children and pets. 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. Use with adequate ventilation.
Eye Protection	Protective eyewear is recommended. 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, mist 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/Hygiene Practices	Wash thoroughly with soap and water after handling.

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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, 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 applicable.
Hazardous Substances Reportable Quantity	Not applicable.
Special Provisions for Transport	Not applicable.
TBO Classification	Consumer Commodity
ADR Classification	Not applicable.
IMDG Classification	Corrosive liquid, acidic, organic, n.p.s. (Contains Sulfuric Acid, Hydroxyacetic Acid) Class 8, UN3088, PG II, Limited Quantity.
IATA Classification	DO NOT SHIP: Does not meet IATA requirements.

Section 15. Regulatory Information

Federal and State Regulations	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 Enforcement Act: None
Other Classifications	WHMIS (Canada) Not controlled under WHMIS (Canada).

Section 16. Other Information

HMIS (U.S.A.)	<table border="1"> <tr> <td>Health</td> <td>2</td> </tr> <tr> <td>Flammability</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Special Hazard</td> <td>0</td> </tr> </table>	Health	2	Flammability	0	Reactivity	0	Special Hazard	0	National Fire Protection Association (U.S.A.)	<table border="1"> <tr> <td>Health</td> <td>2</td> </tr> <tr> <td>Flammability</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> <tr> <td>Special Hazard</td> <td>0</td> </tr> </table>	Health	2	Flammability	0	Reactivity	0	Special Hazard	0
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DOTA Hazard Label		Not applicable.																	

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Notes to Reader

In the face of new knowledge, the information contained herein is current. However, neither the above nor any other information contained herein should be construed as a warranty or representation of the accuracy or completeness of the information contained herein. Product manufacturers are responsible for the safe use of their products. All chemicals are provided without warranty and should be used with caution. Although certain hazards are identified, they do not constitute a complete list of all possible hazards.