

Section 1. Product and Company Identification

Product Name	LIME-A-WAY® CLEANER, THICK FORMULA, RUST, CALCIUM, LIME (TOGGLE)	MSDS#	Not available
Product Description	Lime-A-Way® Cleaner, Thick Formula, Rust, Calcium, Lime liquid in a flip-top (toggle) squeeze bottle. Effectively dissolves rust stains, lime-scale build-up and calcium deposits for cleaning hard water deposits on most surfaces that come in contact with water.	Validation Date	4/1/2004
Manufacturer	Reckitt Benckiser North America, Inc. Morris Corporate Center IV 399 Interpace Parkway (P.O. Box 225) Parsippany, N.J. 07054-0225	Print Date	4/1/2004
Product Identifier	Not available.	In case of Emergency:	Telephone: 800-228-4722
Item Number	380047	Transportation Emergencies:	Chemtrec: 1-800-424-9300 (U.S. & Canada) Outside the U.S & Canada (North America), call: 703-527-3887
Formula Number	F/F 380047 (825-122)		
UPC Number	51700-39605 (28 oz.) & 51700-77169 (64 oz.), both Toggle top (Push/Pull) bottles.		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) SULFAMIC ACID	5329-14-6	11-13	Not available.
2) SURFACTANTS	Not applicable	1-2	Not available.

Section 3. Hazards Identification

Emergency Overview	DANGER: Contains Sulfamic Acid. HARMFUL IF SWALLOWED. Contact with EYES and SKIN will cause irritation or burns. DO NOT get in eyes, on skin or clothing. Vapor may be harmful. Avoid breathing of vapors. Use in well ventilated area. DO NOT MIX WITH BLEACH OR OTHER HOUSEHOLD CHEMICALS AS HAZARDOUS FUMES MAY RESULT. 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 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	DO NOT induce vomiting. Rinse mouth and give a glass of water to drink. IMMEDIATELY call a physician or poison control center. NEVER give an unconscious person anything to ingest. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

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. HARMFUL IF SWALLOWED. Contact with EYES and SKIN will cause irritation or burns. DO NOT get in eyes, on skin or clothing. Vapor may be harmful. Avoid breathing of vapors. Use in well ventilated area. DO NOT MIX WITH BLEACH OR OTHER HOUSEHOLD CHEMICALS AS HAZARDOUS 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 of vapors or mists of this product. Use with adequate ventilation.
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.

Section 9. Physical and Chemical Properties

Description	Liquid. (Clear viscous liquid.)	Odor	Citrus, green, herbal odor.
pH	0.6 [Acidic.]	Color	Lime green. (Light.)
Boiling/Condensation Point	Not determined.		
Specific Gravity	1.095 (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	Will not occur.

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	51700-39605 (28 oz.) - ORM-D 51700-77169 (64 oz.) - Corrosive Liquid, Acidic, Organic, n.o.s. (Contains Sulfamic Acid), Class 8, UN 3265, Packing Group II	
Proper Shipping Name	51700-39605 (28 oz.) - Consumer Commodity. 51700-77169 (64 oz.) - Corrosive Liquid, Acidic, Organic, n.o.s. (Contains Sulfamic Acid)	
DOT Identification Number	51700-77169 (64 oz.) - UN 3265	
Packing Group	Packing Group II	
Maritime Transportation	Not applicable.	
Hazardous Substances Reportable Quantity	Not applicable.	
Special Provisions for Transport	Not applicable.	
TDG Classification	51700-39605 (28 oz.) - Consumer Commodity / Limited Quantity / LTD. 51700-77169 (64 oz.) - Corrosive Liquid, Acidic, Organic, n.o.s. (Contains Sulfamic Acid), Class 8, UN 3265, Packing Group II	
ADR Classification	Not applicable.	
IMDG Classification	51700-39605 (28 oz.) - Corrosive liquid, acidic, organic, n.o.s. (contains Sulfamic Acid) Class 8, UN3265, Packing Group II, Limited Quantity. 51700-77169 (64 oz.) - Corrosive Liquid, Acidic, Organic, n.o.s. (Contains Sulfamic Acid), Class 8, UN 3265, Packing Group II	
IATA Classification	DO NOT SHIP! - Packaging does not meet IATA requirements.	

Section 15. Regulatory Information

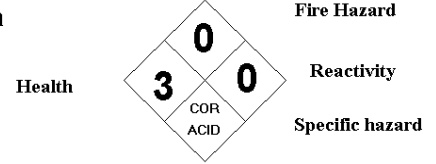
Federal and State Regulations	SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting: None California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act: None
Other Classifications	WHMIS (Canada) CLASS E: Corrosive liquid.

Section 16. Other Information

HMIS (U.S.A.)

Health Hazard	3
Fire Hazard	0
Reactivity	0
Personal Protection	D

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



NFPA Aerosol Level

Not applicable.

Validated by Product Safety on 4/1/2004.

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