



Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name	LIME-A-WAY® LIME, CALCIUM & RUST CLEANER (TRIGGER SPRAY)	MSDS#	Not available
Product Description	Liquid acid lime scale and soap scum remover. Formerly known as Lime-A-Way® Professional Strength Lime, Calcium & Rust Cleaner (Sprayer)	Validation Date	10/17/2000
Manufacturer	Reckitt Benckiser Inc. 1655 Valley Road Wayne, N.J. 07474	Print Date	1/18/2001
Product Identifier	Not available.	In case of Emergency:	Telephone: 800-228-4722
Item Number	368926	Transportation Emergencies:	Chemtrec: 800-424-9300
Formula Number	F/F# 368926 (LRL005RW)		
UPC Number	51700-39016 (16 oz.)		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) SULFAMIC ACID 2) ISOPROPYL ALCOHOL	5329-14-6 67-63-0	8 1-3	Not available. TWA: 983 STEL: 1230 (mg/m ³) from ACGIH (TLV) [United States] TWA: 400 STEL: 500 (ppm) from ACGIH (TLV) [United States] TWA: 980 STEL: 1230 (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.
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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. 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.
Ingestion	DO NOT induce vomiting. Drink a glass of water and call a physician or poison control center immediately. 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. 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. 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. 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, 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	Fresh-green, floral scent.
pH	2.5 [Acidic.]	Color	Light lime green. (Light.)
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**Exposure 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

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, 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.

TDG 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 & 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)**

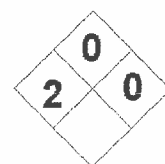
Not a WHMIS controlled product.

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

Health Hazard	2
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.

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Validated by Product Safety on 10/17/2000.

Printed 1/18/2001.

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