



RS Technologies LLC
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MATERIAL SAFETY DATA SHEET

LAYORCARE LC-600 ACID FREE HEAVY CALCIUM RELEASER

Section I - Product Identity

Product Name	Heavy Calcium Releaser
Product Use	Pool & Spa Cleaner
24-Hour Emergency Infotrac Number	800-535-5053
Date Prepared	Jan 1st, 2008
Prepared By	RS Technologies LLC

Section II - Hazardous Components/Composition Information

Product Mixture	No hazardous ingredients as per OSHA, 29CFR 1920.1200
Components	This section is proprietary.

Section III - Physical and Chemical Properties

Specific Gravity (H ₂ O=1)	0.980 (8.18 lbs/US gallon)	Vapor Density (Air=1)	9 (estimated)
Vapor Pressure	Same as water	Evaporation Rate (Water=1)	<1
Solubility in Water	Miscible in All Proportions	Percent Volatile by Volume	0% (estimated)
Appearance and Odor	Clear Liquid		
pH of Concentrate	2		

Section IV - Fire-Fighting Measures

Flash Point (Method Used)	Will not ignite.	Flammability	Non-flammable.	
Explosion Data:	Sensitivity to Impact	None.	Sensitivity to Static Charge	None.
Combustion Products	As with any organic material, combustion will produce carbon dioxide and/or carbon monoxide.			
Extinguishing Media	Water fog, carbon dioxide, dry chemical, foam.			
Unusual Fire and Explosion Hazard	None.			
Special Firefighting Precautions	Do not use streams of water; may spread burning liquid.			
Firefighting Equipment	Use self-contained breathing apparatus in any enclosed area.			

Hazard Ratings

Rating (based on HMIS Standard)	(4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Minimal)
Health	1
Fire	0
Reactivity	0
Special	0

Section V - Stability & Reactivity

Stability	Stable	XX	Unstable	
Conditions to Avoid	Avoid contact with oxidizing agents and acids.			
Hazardous Decomposition	None expected under normal conditions.			
Hazardous Polymerization	May Occur		May Not Occur	XX

Section VI - Health Hazard Data

Emergency Overview	May cause irritation to skin & eyes. PEL & TLV are not applicable.						
Primary Routes of Contact	Inhalation	Yes	Absorbtion	Yes	Ingestion	Yes	
Physical Hazard	None established.						
Carcinogenicity Listings:							
NTP	None.	IARC	None.	OSHA	None.	ACGIH	None.
Signs and Symptoms of Overexposure	Red, dry skin at point of contact.						
Eye Contact	May cause irritation						
Skin Contact	Repeated or prolonged exposure may cause dermatitis in sensitive individuals.						
Ingestion	May cause gastric disturbances such as diarrhea.						
Inhalation	Avoid mists, which may irritate mucous membranes.						
Medical Condition Generally Aggravated by Exposure?	Dermatitis may become aggravated in sensitive individuals.						
Emergency First Aid Procedures							
Eyes	Remove contact lenses, flush with water for at least 15 minutes while lifting eyelids. If irritation develops and persists, contact a physician.						
Skin	Remove effected clothing. Wash skin thoroughly with soap and water. If irritation develops and persists, contact a physician.						
Ingestion	If swallowed, consume water frequently and in large quantities.						
Inhalation	Move to fresh air. If irritation develops and persists, contact a physician.						

Section VII - Handling and Storage

Safe Handling and Hygienic Practices	Avoid prolonged skin contact. Wash after using.
Storage Requirements	Store in tightly closed, original container away from flame or other ignition source.

Section VIII - Special Precautions

Small Spills	Dilute with water, dispose in accordance with local or state regulations.		
Large Spills	Dike with soil and/or other suitable materials, avoiding the use of sawdust. Recover usable product, rinse area clean.		
Personal Precautions	No special requirements.	Environmental Precautions	No special requirements.
Toxicity	None known.		
Disposal Considerations	Biodegradability	Biodegradable.	
	RCRA Classification	This product has been evaluated for RCRA characteristics and does not meet the criteria for a hazardous waste, if discarded in its purchased form.	
	Special Instructions	No special requirements.	

Section IX - Exposure Controls

Engineering Controls	No special requirements.	
Personal Protection	Ventilation	No special requirements.
	Respiratory	Avoid breathing mist.
	Eye Protection	Recommended but not required.
	Clothing	Gloves recommended for sensitive individuals.
Exposure Limit Guidelines	None established.	

Section X - Regulatory Information

CERCLA, State and Local Planning (Reportable Quantities)	Not required.	
OSHA Compliance	This MSDS prepared in accordance with 29CFR 1910.1200 and ANSI Z400.1 standard.	
SARA Title III Superfund	This product in its purchased form is not regulated under the SARA "Hazard Categories" under Section 311 and 312 of the Superfund Amendment and the Reauthorization Act of 1986 (SARA Title III).	
State Right-to-Know Compliance	Not required	
TSCA	Although components of this product find listing under the Toxic Substances Act (TSCA), this blended product requires no import or export declaration.	
Special Instructions	The oral & dermal properties are considered to be non-toxic and environmentally safe. This product contains no chronic health hazards.	

Section XI Transportation Information

DOT Labeling	Not required.	Proper Shipping Name	Not required.
Hazard Class	Not required.	Identification Number	Not required.

We believe the information contained herein is accurate and current as of the date of this Material Safety Data Sheet. Nevertheless, the user must evaluate and determine whether the conditions for use and application of the product, including proper disposal thereof, are appropriate, safe, and legal.



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