

SAFETY DATA SHEET — 16 Sections



SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier				[WHMIS Classification]	
D-LIME-R					
Product Use					
ACID BASED DESCALING DETERGENT					
Manufacturer's Name			Supplier's Name		
T & M RESOURCES, INC.					
Street Address			Street Address		
3433 W. CLARENDON					
City		Province	City		Province
PHOENIX, ARIZONA					
Postal Code		Emergency Telephone	Postal Code		Emergency Telephone
85017		Chemtrec-1-800-424-9300			
Date MSDS Prepared		MSDS Prepared By	Phone Number		
5/20/2015		T&M Resources, Inc.	602-437-6961		

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
Hydrogen Chloride	<25	No. 7647-01-0		
This product does not contain substances subject to Section 313 of Sara title III and 40 CFR372.				

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry		<input checked="" type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion
[Emergency Overview] - Category 1. SKIN CORROSION & BURNS.- Category 1. SERIOUS EYE DAMAGE/EYE IRRITATION						
WHMIS Symbols] CORROSIVE						
Potential Health Effects						
Contact with eyes, skin or mucous membranes will cause skin irritation with possible burns and tissue destruction.						
HEALTH HAZARD - 3						
Signal word: Danger						
 						

SECTION 4 — FIRST AID MEASURES

Skin Contact	Flush with soap and water and get medical attention. Remove contaminated clothing and launder before reuse.
Eye Contact	Immediately flush well with large amount of water for 15 minutes and seek immediate medical attention. Obtain medical attention immediately severe damage and blindness can result.
Inhalation	Breathing mist or spray may cause damage to the upper respiratory tract.
Ingestion	Do not induce vomiting. Give several glasses of water and seek medical attention immed. Can cause severe damage to mucouse membranes and throat.

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SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, under which conditions?	
Means of Extinction Use material appropriate for surrounding area. Guard against high alkaline material. Protective clothing & breathing apparatus.			
Flashpoint (°C) and Method No data available	Upper Flammable Limit (% by volume) No data available	Lower Flammable Limit (% by volume) No data available	
Autoignition Temperature (°C) No data available	Explosion Data — Sensitivity to Impact No data available	Explosion Data — Sensitivity to Static Discharge No data available	
Hazardous Combustion Products			
[NFPA] If product is involved in a fire, toxic products of combustion could be liberated. Use self contained breathing equip. Avoid contact with skin.			

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Wear eye protection and warn personnel that product may cause a slip hazard. Contain spillage with sand or earth. Place in DOT approved container for proper disposal. Do not permit material to contaminate drains or sewers, surface water or land.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment Wear gloves, rubber apron, and chemical goggles when handling. Avoid breathing vapor or mist.
Store in accordance with all current regulations. Do not store in aluminum container. Keep separate from other chemicals.
Storage Requirements Do not store with food stuffs.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input checked="" type="checkbox"/> ACGIH TLV 5 <input checked="" type="checkbox"/> OSHA PEL 5 <input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process) Use in well ventilated area. WEAR PROTECTIVE GLOVES AND GOGGLES.
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type Wear rubber gloves. Rubber apron and chemical safety goggles when handling.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Lite green liquid	Odour and Appearance Lite green liquid with cherry scent.	Odour Threshold (ppm)
Specific Gravity 1.05	Vapour Density (air = 1) n/a	Vapour Pressure (mmHg) PSIG@70F
Evaporation Rate no data available	Boiling Point (°C) 212	Freezing Point (°C) no data available
pH no data available	Coefficient of Water/Oil Distribution no data available	[Solubility in Water] soluble in all proportions

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?

Reactivity, and under what conditions? n/a

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Hazardous Decomposition Products n/a

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SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	Burning and skin irritation.Can cause tissue damage.	
Effects of chronic exposure	Tissue damage. Burning and irritation.	
Irritancy of Product	No known significant effects or critical effect	
Skin sensitization	Burning and irritation.	Respiratory sensitization No known significant effects or critical effects
Carcinogenicity-IARC	No known significant effects or critical effects	Carcinogenicity - ACGIH No known significant effects or critical effects
Reproductive toxicity	No known significant effects or critical effects	Teratogenicity No known significant effects or critical effects
Embrototoxicity	No known significant effects or critical effects	Mutagenicity No known significant effects or critical effects
Name of synergistic products/effects		

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SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]

Do not release into surface waters.

The biodegradable surfactants used in this preparation comply with the biodegradability criteria laid down in Regulation (EC No. 648/2004 on detergents.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal

When disposing of surplus or waste product use suitable PPE etc. ensuring empty containers are rinsed out and disposed of safely. Do not allow product to enter land or surface water drains. Dispose of in accordance with local authority regulations. Do not mix with other waste materials.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information

None

PIN

TDG

[DOT]

[IMO]

[ICAO]

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification]

None

[OSHA]

[SERA]

[TSCA]

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16 — OTHER INFORMATION

D-Lime-R is a strong acid based descaling detergent to removing built up scale on dish machines and steam tables.

Not for home .

Be sure to rinse completely.

BE SURE TO USE PROPER PROCEDURES WHEN USING THIS PRODUCT!

The information provided in this SDS is correct to the best of our knowledge, information and belief at the date of its publication the information given is designed only as a guide for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.