

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	LIME SOLVENT CONCENTRATE, LIME OUT, LIME OFF				
PRODUCT CODE	995	ISSUE DATE	11-17-06	SUPERSEDES	03-22-06

MANUFACTURER Spurrier Chemical Companies, Inc.
ADDRESS P.O. BOX 2812
CITY, STATE, ZIP Wichita, KS 67201

EMERGENCY TELEPHONE NUMBERS

Medical Information: (800) 228-5635 x 103
Transportation and Product Information: (800) 424-9300

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	OSHA PEL	EXPOSURE LIMITS	
				ACGIH TLV	NIOSH REL
Phosphoric Acid*	7664-38-2		1 mg/m ³ (TWA)	1 mg/m ³	
*Releases reportable under SARA Title III Ch. 313					

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Strongly acidic cleaning compound. Corrosive or strongly irritating to eyes, skin and mucous membranes. May cause chemical burns to eyes. Harmful if swallowed.
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POTENTIAL HEALTH EFFECTS

INGESTION	Corrosive or strongly irritating to tissues of mouth and gastrointestinal tract.
INHALATION	Vapors irritating to tissues of nose, throat and respiratory tract.
EYE CONTACT	Corrosive or strongly irritating. May cause chemical burns. For eye contact, flush with water at once.
SKIN CONTACT	Strongly irritating to skin. May cause chemical burns on prolonged exposure.

SECTION 4 – FIRST AID MEASURES

INGESTION	DO NOT INDUCE VOMITING. Rinse mouth with water, then immediately drink a large quantity of water or milk. Consult a physician. Never give anything by mouth to an unconscious person.
INHALATION	Remove to fresh air. Provide oxygen if breathing is difficult. Consult a physician if symptoms persist.
EYE CONTACT	Remove any contact lenses. Immediately flush eyes with plenty of cool, running water. Continue flushing for fifteen minutes. Consult a physician.
SKIN CONTACT	Immediately flush skin with plenty of cool, running water, then wash with soap and water. Consult a physician if irritation persists. Remove and wash affected clothing before reuse.
NOTE TO PHYSICIAN	N/A

SECTION 5 – FIRE FIGHTING MEASURES

FLASHPOINT/METHOD	None to boiling.	FLAMMABLE LIMITS	N/A
EXTINGUISHING MEDIA	Non-combustible. Use media relevant to primary cause of fire – CO ₂ , water or dry chemical.		
SPECIAL FIRE FIGHTING PROCEDURES	None required.		
FIRE AND EXPLOSION HAZARDS	None.		

SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Small spills: Flush to drain or sewer with plenty of water. Mop area and rinse with water. Large spills: Dike or dam and pump to container, or contain on an inert absorbant. Sweep up and dispose of as dry waste in a suitable landfill, or as permitted by local regulations.
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SECTION 7 – HANDLING AND STORAGE

HANDLING PRECAUTIONS	Acidic material. Handle as for all strong chemicals. Keep containers tightly closed when not in use. Wash hands after using.
STORAGE PRECAUTIONS	Keep containers tightly closed. Store in a cool, dry location away from alkaline materials.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

HYGIENIC PRACTICES	Handle with care, avoiding contact with eyes, skin or clothing. Wash hands after using.
ENGINEERING CONTROLS	Local exhaust ventilation should be adequate to control vapors.
PERSONAL PROTECTIVE EQUIPMENT	
RESPIRATOR	
X GOGGLES/FACE SHIELD	Strongly recommended.
X APRON	Optional, but recommended.
X GLOVES	Recommended.
BOOTS	

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, light green, low-foaming liquid.	BOILING POINT	220 F
ODOR	Mild detergent.	FREEZING POINT	Approx. 30 F
pH	1.5-1.7	VAPOR PRESSURE	N/A
SPECIFIC GRAVITY	1.16	VAPOR DENSITY	N/A
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	As for water.

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY	STABLE	X	UNSTABLE
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices.		
INCOMPATIBILITY	Avoid contact with alkaline or oxidizing materials, or chlorine-bearing chemicals such as bleach.		
HAZARDOUS PRODUCTS OF DECOMPOSITION	Oxides of phosphorus and carbon, if heated to dryness and ignited.		
POLYMERIZATION	WILL NOT OCCUR	X	MAY OCCUR
CONDITIONS TO AVOID	N/A		

SECTION 11 – TOXICOLOGICAL INFORMATION

CARCINOGENICITY	
	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z
OTHER EFFECTS	
ACUTE	Corrosive and irritant effects on eyes, skin, mucous membranes, as described in Section 3.
CHRONIC	None known.

SECTION 12 – ECOLOGICAL INFORMATION

BIODEGRADABILITY	CONSIDERED BIODEGRADABLE	X	NOT BIODEGRADABLE
BOD/COD VALUE	Unknown		
ECOTOXICITY	Unknown		

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Spent use solutions may be flushed to drain or sewer with water. Product that cannot be used according to label directions must be disposed of as hazardous waste. Consult federal, state and local regulations. Triple rinse containers before disposal.		
RCRA CLASSIFICATION	Unknown		
RECYCLE CONTAINER	YES	X	NO
CODE	2 - HDPE		

SECTION 14– TRANSPORT INFORMATION

DOT CLASSIFICATION	HAZARDOUS	X	NOT HAZARDOUS
DESCRIPTION	Corrosive Liquid, Acidic, Inorganic, N.O.S., (Contains Phosphoric Acid), 8, UN3264, III		

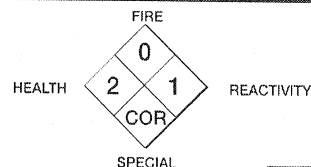
SECTION 15 – REGULATORY INFORMATION

REGULATORY STATUS			
EPA REGISTERED (UNDER FIFRA)		FDA REGULATED	
X KOSHER		X SARA TITLE III MATERIAL	Contains phosphoric acid.
X USDA AUTHORIZED	A3. Acid cleaners for all departments.		

SECTION 16 – OTHER INFORMATION

NFPA CLASSIFICATION	
2 BLUE	HEALTH HAZARD
0 RED	FLAMMABILITY
1 YELLOW	REACTIVITY
X WHITE	SPECIAL HAZARD

4-EXTREME
3-HIGH
2-MODERATE
1-SLIGHT
0-INSIGNIFICANT



Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Spurrer Chemical Companies in connection with the use of this information.

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