

SPURRIER CHEMICAL COMPANIES, INC.

1200 East Central • P.O. Box 2812 • 316/265-9491

Wichita, Kansas 67201

MATERIAL SAFETY DATA SHEET

SECTION I	
EMERGENCY TELEPHONE NUMBERS 1-800-835-1059	REVISION DATE 12-22-94
	SUPERSEDES SHEET DATED 10-18-85
CHEMICAL FAMILY Acid Descaling Compound	FORMULA DESCRIPTION Blend of phosphoric and organic acids, organic wetting agent, trace of dye.
PRODUCT NUMBER AND TRADE NAME #995 LIME SOLVENT CONCENTRATE	

SECTION II HAZARDOUS INGREDIENTS			
INGREDIENT	CHEMICAL FORMULA	%	HAZARDOUS PROPERTIES AND EXPOSURE LIMITS
Phosphoric Acid*	H ₃ PO ₄	21.0	Corrosive. Marked irritant to eyes, nose, throat, skin, mucous membranes. Can cause chemical burns to eyes and skin. OSHA PEL 1 mg/m ³ (TWA), 3 mg/m ³ (STEL); ACGIH TLV 1 mg/m ³ LD-50 1.53 g/kg (rat, oral), 2.74 g/kg (rabbit, dermal) CAS Reg. No. 7664-38-2

*Releases reportable under SARA Title III Ch. 313.

SECTION III PHYSICAL DATA			
BOILING POINT (°F.)	212°F	SPECIFIC GRAVITY (H₂O=1)	1.160
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	Approx. 74
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (Water =1)	1
SOLUBILITY IN WATER	Completely soluble		
APPEARANCE AND ODOR A clear, light green, low-foaming liquid with mild detergent odor.			

SECTION IV FLAMMABILITY AND EXPLOSIVITY DATA		
FLASH POINT (METHOD USED) None to boiling point.	FLAMMABLE LIMITS N/A	
EXPLOSIVE LIMITS N/A	(LOWER)	(UPPER)
EXTINGUISHING MEDIA Non-combustible. Use media relevant to primary cause of fire - water, CO ₂ , dry chemical.		
SPECIAL FIRE FIGHTING PROCEDURES None required.		
UNUSUAL FIRE AND EXPLOSION FACTORS None		

Hazardous Classification: Compound, Cleaning, Liquid, Corrosive Material, NA 1760

SECTION V HEALTH AND SAFETY DATA**THRESHOLD LIMIT VALUE**

Not established. See TLV data for phosphoric acid in Section II.

EFFECTS OF OVEREXPOSURE

Acid burns to skin and eyes possible from exposure to product concentrate. Mists of concentrate irritating to eyes, nose, throat, mucous membranes.

EMERGENCY AND FIRST AID PROCEDURES

For eye contact, flush thoroughly with water and consult a physician.

For skin contact, flush well with water. If irritation persists, consult a physician.

If ingested, drink plenty of water and call a physician. Do not induce vomiting.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID
	STABLE XX	

INCOMPATIBILITY (MATERIALS TO AVOID)

Alkaline materials, chlorine-bearing compounds, "soft" metals (aluminum, brass, copper, zinc).

HAZARDOUS DECOMPOSITION PRODUCTS

Phosphorus oxides, carbon monoxide, if heated to dryness and ignited.

HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID
	WILL NOT OCCUR XX	

SECTION VII SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

For small spills, flush to drain or sewer with plenty of water. For larger spills, neutralize with soda ash or lime, then flush to sewer, or contain on an absorbent material and dispose as dry waste.

WASTE DISPOSAL METHOD

Spent solutions may be flushed to drain with plenty of water. For large quantities of waste product concentrate, dispose as described under "large spills," above.

SECTION VIII SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION (SPECIFY TYPE)**

None required.

VENTILATION Normal	LOCAL EXHAUST	SPECIAL
	MECHANICAL (GENERAL) Acceptable	OTHER

EYE PROTECTION

Acid resistant goggles or plastic face shield recommended when handling product concentrate and use solutions.

PROTECTIVE GLOVES

Rubber gloves recommended when handling product concentrate and use solutions.

OTHER PROTECTIVE EQUIPMENT

Plastic or rubber apron recommended when handling product concentrate.

SECTION IX SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Store in a cool area (temperature 40-120°F), away from alkaline materials and chlorine-bearing compounds. Store in an acid-resistant container. Avoid freezing.

OTHER PRECAUTIONS

Always wear eye protection when handling. Wash hands after using. If spilled on clothing, remove and wash before re-use.