

MATERIAL SAFETY DATA SHEET

FORMULA # 3340-0

ITEMS USING THIS FORMULA = 3303, 3309, 3340, 3342, 3355, 3370, 3370BP, 3372, 3372BP, 3374, 3374BP, 3375, 3378, 3380, 3380BP, 3381, 3382, 3385, 3388, 4440, 4441, 4472, 4480, 8872

QUICK IDENTIFIER (In-Plant Common Name) "THE WORKS" TUB & SHOWER CLEANER		Product Use Phosphoric Acid Tub and Tile Cleaner	
CAS Number	MIXTURE	FOR EMERGENCY ASSISTANCE, CALL	CHEMTREC
MANUFACTURER'S NAME	LIME-O-SOL CO.	EMERGENCY Telephone Number	1-800-424-9300
Address	P.O. BOX 395, ST. RD. 4 ASHLEY IN 46705	Non-Emergency (Information) Number	1-219-587-9151
		Date Prepared or Last Revised	02/08/2000

HEALTH HAZARD DATA

ACUTE OVEREXPOSURE	EYES, SKIN, LUNG AND NASAL IRRITANT <i>see RECOMMENDED FIRST AID TREATMENT</i>
CHRONIC OVEREXPOSURE	NONE KNOWN
POTENTIAL EFFECTS OF EXPOSURE (Routes of Entry) and <i>RECOMMENDED FIRST AID TREATMENT</i>	
<p>1. Inhalation - Not a likely route of exposure if used as directed. Inhalation of mist or vapor may be irritating to respiratory tract. <i>Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.</i></p> <p>2. Eyes - May cause irritation. <i>Immediately flush with clean water for 15 minutes, holding eyelids open. Call a doctor immediately.</i></p> <p>3. Dermal (skin) - May cause acute irritation or burns. <i>Flush with mild soap and water for 15 minutes. Seek medical attention if irritation develops. Remove contaminated clothing and launder before reuse.</i></p> <p>4. Ingestion - Ingested product may be harmful or fatal. May cause mouth and throat irritation, nausea and vomiting. <i>Do not induce vomiting. If conscious, give 3-4 glasses of water or milk to dilute and get medical care. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing.</i></p>	
Medical Conditions Known to be Aggravated by Exposure to this Chemical Product Skin contact may aggravate an existing dermatitis	
CARCINOGENS This product contains no ingredients which are listed as carcinogens by IARC, NTP, OSHA, or ACGIH	

HAZARDOUS INGREDIENTS

Common and/or Chemical Name	CAS Number	% RANGE	ACGIH/TLV	OSHA PEL	Other Limits
<i>Phosphoric Acid</i> ortho-Phosphoric Acid	7664-38-2	15-25	1 mg/m ³ TWA	1 mg/m ³ TWA	3 mg/m ³ STEL ACGIH & OSHA
<i>Ethylene glycol monobutyl ether</i> Ethanol, 2-butoxy	111-76-2	1-5	25 ppm TWA (skin)	25 ppm TWA (skin)	N/A
Water and other nonhazardous components (surfactant, quality control agents)		65-80	N/A	N/A	N/A

PHYSICAL DATA

BOILING POINT	212 DEG. F	LIQUID DENSITY (lbs/gallon)	9.42
VAPOR PRESSURE	N/A	SPECIFIC GRAVITY (water = 1)	1.13
		pH	< 2
SOLUBILITY IN WATER	SOLUBLE	FREEZING POINT	<32 deg. F
APPEARANCE AND ODOR	CLEAR LIQUID WITH FRESH FRAGRANCE		

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TAG Closed Cup) <u>>210</u> deg. F <u> </u> deg. C	AUTOIGNITION TEMPERATURE <u>N/A</u>	FLAMMABLE LIMITS % BY VOLUME LEL <u>N/A</u> UEL <u> </u>
Note:		
EXTINGUISHING MEDIA	USE APPROPRIATE EXTINGUISHER FOR SURROUNDING AREA FIRE	
SPECIAL FIRE-FIGHTING PROCEDURES	NOTE ABOVE	
UNUSUAL FIRE AND EXPLOSION HAZARDS	ALTHOUGH NONFLAMMABLE, A LATENT FIRE OR EXPLOSION HAZARD EXISTS WHEN IS IN CONTACT WITH METALS DUE TO THE SEPARATION OF FLAMMABLE HYDROGEN	

REACTIVITY DATA

STABILITY Stable <u> X </u> Unstable <u> </u>	CONDITIONS TO AVOID NONE
INCOMPATIBILITY (Materials to avoid)	Do NOT mix with other chemicals. Contact with hypochlorites (bleaches), sulfides, or cyanides will release toxic gases. Contact with alkaline materials will generate heat.
HAZARDOUS DECOMPOSITION PRODUCTS	Flammable hydrogen gas may be released upon contact with metals.
HAZARDOUS POLYMERIZATION May Occur <u> </u> Will Not Occur <u> X </u>	

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED SMALL QUANTITIES MAY BE FLUSHED WITH LARGE QUANTITIES OF WATER, OR NEUTRALIZED WITH LIMESTONE OR SODA ASH. LARGE SPILLS REQUIRE DISPOSAL ACCORING TO LOCAL ORDINANCE.
WASTE DISPOSAL METHOD DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Will Vary By Use and Conditions)		NONE REQUIRED IF USED AS DIRECTED			
		(AVOID BREATHING VAPORS)			
VENTILATION	ADEQUATE	LOCAL	N/A	SPECIAL	N/A
		MECHANICAL (Gen.)	N/A	OTHER	N/A
PROTECTIVE GLOVES		RUBBER GLOVES			
EYE PROTECTION		SAFETY GLASSES/GOGGLES			
OTHER PROTECTIVE EQUIPMENT		RUBBER APRON IF USED IN LARGE QUANTITIES			

SPECIAL PRECAUTIONS*

SPECIAL LABELLING INFORMATION	HMIS Rating	H - 2 F - 1 R - 0
SPECIAL HANDLING RECOMMENDATIONS		
NONE		
SPECIAL STORAGE RECOMMENDATIONS		
N/A		
SPECIAL PACKAGING RECOMMENDATIONS		
N/A		

* Due to different applicable laws and regulations, and different volumes of the chemicals/mixtures involved, the information contained herein may not match the label on the consumer product.

* Various Government agencies (i.e. Department of Transportation, Occupational Safety and Health Administration, Food and Drug Administration and others) may have specific regulations concerning the transportation, handling, storage or use of this product which may not be contained herein. The customer or user of this product should be familiar with these regulations.