

<b>Material Safety Data Sheet</b>		(MSDS)		Date of Issue: 01/01/1997		Date of Revision: 08/05/2005					
<b>SECTION 1 - MANUFACTURER INFORMATION</b>											
<b>Manufacturer Name:</b>		Decon Laboratories, Inc.									
<b>Trade Name:</b>		<b>DeSCAL®</b> <b>Descaler Concentrate</b>		<b>Emergency Telephone</b> U.S.: (800) 424-9300 Canada: (703) 527-3887							
<b>Chemical Name or Synonym:</b>		N/A		<b>Info Telephone:</b> 610-755-0800							
<b>Mfg. Address:</b>		460 Glennie Circle									
<b>City:</b>		King of Prussia		<b>State, Zip:</b>		PA 19406					
<b>SECTION II - HAZARDOUS INGREDIENTS</b>											
<b>CAS Number</b>	<b>Chemical Name</b>	<b>Percent</b>	<b>PEL</b>	<b>C</b>	<b>S</b>	<b>TLV</b>	<b>C</b>	<b>S</b>	<b>Units</b>	<b>313?</b>	
7664-38-2	Phosphoric Acid, 75%	42%	1.0			1.0				Y	
<b>Additional Information:</b>		Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR 1910.1200)									
<b>SECTION III - PHYSICAL DATA</b>											
<b>Boiling Point (°F):</b>		>212		<b>Specific Gravity:</b>		1.18					
<b>Vapor Pressure (mm of Hg):</b>		N/A		<b>% Volatiles:</b>		N/A					
<b>Vapor Density (Air=1):</b>		N/A		<b>pH:</b>		1.00					
<b>Solubility:</b>		Complete		<b>Evaporation Rate:</b>		>1		BuAc = 1			
<b>Appearance:</b>		Clear liquid; no odor.									
<b>SECTION IV - FIRE AND EXPLOSION DATA</b>											
<b>Flash Point:</b>		N/A		<b>LEL:</b>		N/A		<b>UEL:</b> N/A			
<b>Extinguishing Media:</b>		Use media suitable for surrounding materials.									
<b>Special Procedures:</b>		No special procedures required.									
<b>Unusual Fire / Expl Hazards:</b>		Protect firefighters from physical contact with product since it is a strong acid cleaner. The product is not anticipated to cause any contribution to the fire, but can cause chemical burns to the skin and eyes if not washed off and neutralized.									
<b>Additional Information:</b>		Hazard Ratings HMIS: Health = 2 Flammability = 0 Reactivity = 0 Personal Protection = B NFPA: Health = 2 Flammability = 0 Reactivity = 0									

## DeSCAL® Descaler Concentrate

### SECTION V - HEALTH HAZARD DATA

**ACUTE HEALTH EFFECTS / SYMPTOMS:** Inhalation of mist may cause respiratory irritation. Skin contact may cause reddening and irritation. Eye contact is irritating and may cause damage. Pre-existing skin conditions and detergent allergies may be aggravated by exposure.

**CHRONIC HEALTH EFFECTS / SYMPTOMS:** Chronic health hazards are difficult to accurately assess for mixtures. Specific chronic effects can be studied from the individual hazardous chemicals as indicated under Section II as the best guess without extensive laboratory studies.

<b>Carcinogenicity Data:</b>	NTP: None known	IARC: N	OSHA: N	OTHER: N/A
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### First Aid

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyes open. Seek prompt medical attention. Fast response during first few seconds of exposure is vital to avoid permanent damage.

**Skin:** Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists, seek medical attention. Wash clothing before reuse. Apply lotion to areas where irritation persists.

**Ingestion:** Contact local Poison Control Center or physician immediately. Do not induce vomiting. Give water, milk, or milk of magnesia to help neutralize the acid.

### SECTION VI - REACTIVITY DATA

**Stability:** Normally stable

**Incompatibility:** Strong alkalis (bases).

**Decomposition:** None known.

**Polymerization:** Will not occur.

### SECTION VII - SPILL OR LEAK PROCEDURES

**Spill Procedures:** Wear personal protective equipment (see Section VIII). Wash away with water. Neutralize using a weak alkali, e.g. Sodium Bicarbonate. Clean up with absorbent material.

**Waste Disposal Procedures:** Dispose in accordance with federal, state, and local regulations.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

**Respiratory:** Under normal use, none is needed. If TLV is exceeded, or for symptoms of overexposure, wear a NIOSH approved dust / mist respirator.

**Eyes:** Wear chemical goggles.

**Clothing / Protective Gloves:** Wear latex, neoprene or other chemical resistant gloves. Wear lab coat to protect Garments.

**Ventilation:** Local exhaust may be necessary under some handling / use conditions. Specific needs Should be addressed by supervisory or health / safety personnel.

### SECTION IX - ADDITIONAL INFORMATION

**Safe Handling and Storage:** Store in a closed container. Do not freeze. Do not store above 100°F. Store separate from strong alkalis.

### SECTION X – TRANSPORTATION INFORMATION

DOT Hazard Class:	Product	Shipping by Ground
	1 Liter (cat # 4001)	ORM-D (DOT 49 CFR 173.154)
	20 L (cat # 4002)	Phosphoric acid solution, 8, UN1805, PGIII
	115 L (cat # 4030)	Phosphoric acid solution, 8, UN1805, PGIII