

Material Safety Data Sheet		(MSDS)		Date of Issue: 01/01/1997		Date of Revision: 08/01/2011					
SECTION 1 - MANUFACTURER INFORMATION											
Manufacturer Name:		Decon Laboratories, Inc.									
Trade Name:		DeSCAL® Descaler Concentrate /Acid Rinse		Emergency Telephone U.S.: (800) 424-9300 Canada: (703) 527-3887							
Chemical Name or Synonym:		N/A		Info Telephone: 610-755-0800							
Mfg. Address:		460 Glennie Circle									
City:		King of Prussia		State, Zip:		PA 19406					
SECTION II - HAZARDOUS INGREDIENTS											
CAS Number	Chemical Name	Percent	PEL	C	S	TLV	C	S	Units	313?	
7664-38-2	Phosphoric Acid, 75%	42%	1.0			1.0				Y	
Additional Information:		<u>Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR 1910.1200)</u>									
SECTION III - PHYSICAL DATA											
Boiling Point (°F):		>212		Specific Gravity:		1.18					
Vapor Pressure (mm of Hg):		N/A		% Volatiles:		N/A					
Vapor Density (Air=1):		N/A		pH:		1.00					
Solubility:		Complete		Evaporation Rate:		>1		BuAc = 1			
Appearance:		Clear liquid; no odor.									
SECTION IV - FIRE AND EXPLOSION DATA											
Flash Point:		N/A		LEL:		N/A		UEL: N/A			
Extinguishing Media:		Use media suitable for surrounding materials.									
Special Procedures:		No special procedures required.									
Unusual Fire / Expl Hazards:		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.									
Additional Information:		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.				
Carcinogenicity Data:	NTP: None known	IARC: N	OSHA: N	OTHER: N/A
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:	<u>Product</u>	<u>Shipping by Ground</u>		
	1 gallon and under	ORM-D (DOT 49 CFR 173.154)		
	Over 1 gallon	UN1805, Phosphoric acid solution, 8, PGIII		

The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or for the consequences of its use or misuse.