

MATERIAL SAFETY DATA SHEET

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SECTION I				
Product Identity (Name/Number)		SCRUB-LESS Acid Cleaner / 9638		
Chemical Family		Acid Solution – Corrosive liquids, n.o.s. (contains Phosphoric acid), 8, UN1760, PGIII. Inner packaging less than 1.3 gallons is considered Limited Quantities and is excepted from DOT.		
SECTION II - Hazardous Ingredients				
Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Phosphoric Acid	1 mg/m ³	1 mg/m ³	3 mg/ m ³ STEL	Proprietary
SECTION III - Physical & Chemical Characteristics				
Boiling Point	Above 212°F	Specific Gravity	1.1	
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A	
pH	1	Evaporation Rate (Ethyl Ether=1)	Less than 1	
Solubility in Water	Complete	Appearance / Odor	Clear Pink Liquid / Pleasant	
SECTION IV - Fire & Explosion Hazard Data				
Flammable Limits (Explosive Limit)	Upper: N/A	Lower: N/A		
Flash Point (Method Used)	N/A			
Extinguishing Media	Material is non-flammable. Water spray may be used for surrounding fires.			
Special Fire Fighting Procedures	Product is not flammable, but may react with metals to liberate hydrogen gas and phosphorous compounds. Vapor is also a health hazard. Firefighters should be equipped with NIOSH approved respirators, fully enclosed.			
Unusual Fire and Explosion Hazards	N/A			
SECTION V - Reactivity Data				
Stability:		Unstable	X	Stable
Hazardous Polymerization:	X	Will Not Occur		May Occur
Conditions To Avoid	Excessive heat			
Incompatibility (Materials to Avoid)	Metals and other chemicals, especially sulfides, strong alkalis, chlorides, stainless steel and oxidizing agents.			
Hazardous Decomposition or Byproducts	Intensive heat may produce carbon dioxide, carbon monoxide and phosphorus oxides.			

SECTION VI(a) - Health Hazard Data

Inhalation	Irritating and corrosive to mucous membranes. Breathing mists may cause damage to nasal and respiratory passages.
Eye	Even slight contact of the liquid with eyes will result in irritation and severe burns.
Skin	Product is corrosive and will cause skin burns. It may not immediately cause burning upon skin contact. Burning sensation may be delayed. Treat immediately.
Ingestion	Swallowing will result in severe damage to mucous membranes. May cause intense pain, nausea, vomiting and collapsing.

Reported As Potential Carcinogen or Carcinogen

	International Agency for Research on Cancer	X	Not Applicable
	National Toxicology Program		OSHA

SECTION VI(b) - First Aid Procedures

Inhalation	Remove victim to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, perform artificial respiration. Get medical attention.
Eye	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.
Skin	Wash thoroughly with water for at least 15 minutes. Get medical attention.
Ingestion	DO NOT induce vomiting. If conscious and alert, give large quantities of water. Follow by administering milk or 2 oz. of milk of magnesia. Get medical attention immediately.

SECTION VI(c) - Employee Protection

Respiratory Protection (Utilize NIOSH approved respirators. Refer to manufacturer's protection factors and OSHA standard 1910.134 as a guideline.) If TLV of product is exceeded, use NIOSH approved respirator, fully enclosed.

SPECIAL PROTECTION INFORMATION:

EYE	Chemical splash goggles or face shield are required if splashing is possible.
SKIN	Use nitrile or neoprene impermeable gloves.
VENTILATION	Provide sufficient mechanical ventilation to maintain exposure below TLVs.
SPECIAL PROTECTION	Impervious clothing and boots may be worn to prevent skin contact.

SECTION VII - Special Precautions

Handling and Storage	Store in dry, cool area. Excessive heat may cause pressure build-up. Avoid contact with sulfides and sulfites. Do not store with strong alkaline or alkali metals.
Other Precautions	Avoid metals, oxidizing agents, cyanide, sulfides and sulfites. Do not mix with strong bases.

SECTION VIII - Environmental Protection

Spills / Releases	Cover area with sodium (bi) carbonate; mix with water to form slurry. Scoop up and wash site with soda ash solution. If 5000 Lb. or more are released into the environment, it must be reported to the national response center.
Waste Disposal Method	Neutralize acidity with sodium carbonate. Flush down drain with large amounts of water in accordance with applicable local, state and federal regulations.

DISCLAIMER The information contained herein is based upon data available to us and reflects our best professional judgement. Since it is impossible to anticipate the conditions under which our products may be used, we cannot guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product for his particular purpose and should comply with all federal, state and local regulations. Our goal is to manufacture products with zero or minimal hazards. Our products are improved daily as up-to-date information and research is received from our suppliers to use products with less or no hazards. Please feel free to contact us for current information.