

GHS SAFETY DATA SHEET 'PHOS-SCRUB'

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name..... PHOS-SCRUB
 Chemical Use..... Acidic Cleaner
 Chemical Family..... Mixture
 Issue Date of SDS..... June 30, 2014

MANUFACTURER:

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SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

<u>Health</u>		<u>Environmental</u>	<u>Physical</u>
Skin Corrosion:	Category 1A	Acute Toxicity: (Aquatic Environment)	Corrosive to Metals:
Acute Toxicity - Oral:	Category 4	Category 3	Category 1
Acute Toxicity-Inhalation	Category 4		
Eye Damage:	Category 1		

GHS LABEL:

SIGNAL WORD:

DANGER



GHS05 Corrosive



GHS07 Irritant

Hazard Statements

- H290: May be corrosive to metals.
- H302: Harmful if swallowed.
- H314: Causes severe skin burns and eye damage.
- H318: Causes serious eye damage.
- H332: Harmful if inhaled.
- H402: Harmful to aquatic life.

Precautionary Statements

- P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264: Wash hands thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in a well ventilated area.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.
- P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting,
- P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310: Immediately call a POISON CENTER or doctor/physician.
- P363: Wash contaminated clothing before reuse.
- P390: Absorb spillage to prevent material damage.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

	<u>NFPA</u>
Health	3
Flammability	0
Reactivity	1
Special Notice	COR

<u>HMIS</u>	
3	Health
0	Flammability
1	Physical Hazard
B	PPE

0 - Minimal
 1 - Slight
 2 - Moderate
 3 - Serious
 4 - Severe
 B - Safety Glasses & Gloves

INGREDIENTSCAS#CONCENTRATION

Phosphoric Acid

7664-38-2

25%

SECTION 4 - FIRST AID MEASURES

Eye Contact..... Immediately flush eyes with plenty of water lifting eyelids frequently. Continue to flush eyes for 15 minutes. Repeat if necessary. Get medical attention immediately!

Skin Contact..... Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

Inhalation..... Remove to fresh air! If unconscious, have trained personnel administer oxygen. Get medical attention immediately.

Ingestion..... **DO NOT INDUCE VOMITING!** Drink one or two glasses of water and get medical attention immediately!

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Use foam, carbon dioxide, or water spray to extinguish flames.

Unsuitable Extinguishing Media:..... No further relevant information available.

Combustion Products: Not considered to be an explosion hazard.

Fire Fighting Instructions..... As with any fire, wear sealed contained breathing apparatus, pressure demand MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff may cause environmental damage. Dike and collect water used to fight fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURE

Personal Precautions:..... Prevent contact with skin and eyes. See Section 8.

Environmental Precautions..... Prevent entry of product into drains, sewers, surface or ground water.

Methods for Cleaning Up:..... Clean up spills immediately. Absorb spill with inert material (e.g., dry sand or earth), then place in a suitable container for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling:..... Avoid contact with eyes, skin and clothing.
Do not eat, drink or smoke when using this product.
Wear protective gloves, clothing and eye protection when handling this product.
Use in well ventilated areas.

Storage..... Store in cool, dry place in original container and keep away from direct sunlight.
Keep container closed when not in use.

Shelf-Life..... One to two years normally.

Storage Temperature..... 5 - 43°C (41 - 110°F)

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

<u>EXPOSURE LIMITS:</u>	<u>Component</u>	<u>ACGIH (TLV)</u>	<u>ACGIH (STEL)</u>	<u>OSHA (PEL)</u>
	Phosphoric Acid	Not Known	2mg/m3 over 8 hours	Not Known

Engineering Controls..... Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment (PPE):

Eye Protection..... Wear safety-goggles with side shields (or goggles). Contact lenses should not be worn.

Skin Protection..... Wear chemical resistant gloves.

Respiratory Protection..... Respirator required when in contact with fumes or mist of this product.

General Hygiene Consideration..... There are no known health hazards associated with this product when used as recommended.
The following general hygiene considerations are recognized as common, good industrial hygiene practices:

- Wash hands after use and before eating.
- Avoid breathing vapors.
- Wear safety glasses and gloves.

Exposure Limits..... Not established for product as whole.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance..... Clear Liquid.

Odor..... Solvent Odor.

Vapor Pressure..... Not Determined.

Odor Threshold..... Not Determined.

Vapor density (Air=1)..... 3.4

pH..... 1 - 2

Relative Density..... Not Determined.

Melting point/Freezing point:..... Not Determined / 30°F

Solubility in water..... 100%

Initial boiling point and range..... 220°F / Not Determined.

Flash Point..... Not Flammable.

Evaporation rate..... Not Determined.

Flammability (solid, gas):..... Not Flammable.

Upper/Lower flammability or explosive limits:..... Non-Flammable product.

Partition coefficient..... Not Determined.
 Auto igniting temperature..... Product is not self igniting.
 Decomposition temperature..... Not Determined.
 Viscosity..... Not Determined.
 Specific Gravity (water = 1)..... 1.14 to 1.16

SECTION 10 - STABILITY & REACTIVITY

Reactivity..... No dangerous reaction known under conditions of normal use.
 Chemical Stability..... Stable.
 Hazardous Polymerization..... Will not occur.
 Incompatibilities..... Soft Metals.
 Decomposition Products..... None determined.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:..... Inhalation, Eye and Skin Contact

Acute symptoms and effects:

Eye..... Corrosive! Causes severe burns to eye tissue.
 Skin..... Corrosive! Exposure to skin will cause mild to severe burns.
 Ingestion..... Severe gastric damage.
 Inhalation:..... Burning to nasal passages and soft tissue.

Chronic Exposure:..... Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Toxicity Data:

LD50 **LC50**
 Not Known Not Known

Carcinogenicity..... Not a known carcinogen

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:..... Harmful to aquatic life. Product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.
 Mobility in soil:..... No further relevant information available.
 Degradability:..... Expected to readily biodegrade.
 Bioaccumulation:..... No further relevant information available.

SECTION 13 - DISPOSAL CONSIDERATION

PHOS-SCRUB is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local authorities regarding the proper disposal of this material.

(Note: Adding chemicals, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate).

SECTION 14 - TRANSPORTATION INFORMATION

Required Shipping Label

A. USA: UN Number..... UN1805
D.O.T UN Proper Shipping Name..... Corrosive Liquid, 8, N.O.S. (Phosphoric Acid).
 Packaging group..... III
 D.O.T. Label..... UN1805, Corrosive Liquid, 8.
 D.O.T. Placard..... Corrosive.
 Freight Class Package..... Class 55

B. CANADA: TDG..... Corrosive Liquid.
C. ENGLAND: Approved Carriage List..... Corrosive Liquid.

SECTION 15 - REGULATORY INFORMATION

A. USA: TSCA Status..... All ingredients listed on TSCA Inventory.
 SARA TITLE III, 302/303 EHS..... None
 SARA TITLE III, 304 HS..... None
 SARA TITLE III, 311/312..... None
 SARA TITLE III, 313..... None

B. CANADA: DSL/NDSL..... All ingredients are listed.
 WHMIS..... Not Classified.

C. EC: EINECS..... All ingredients are listed.

SECTION 16 - OTHER INFORMATION

For details on specific requirements, you should contact the appropriate agency in your state.

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