



<p style="text-align: center;">NFPA Rating</p> <p style="text-align: center;">Flammability</p> <div style="text-align: center;"> </div> <p style="text-align: center;">Health Reactivity</p> <p style="text-align: center;">0 = Minimal Hazard 4 = Severe Hazard</p>	<p>Material Safety Data Sheet</p> <div style="background-color: #0056b3; color: white; padding: 20px; font-size: 24px; font-weight: bold; margin: 10px auto; width: 80%;"> 'Phos-Scrub' </div> <p style="font-size: 18px; font-weight: bold;">Heavy-Duty Acidic Cleaning Agent</p>	<p style="text-align: center;">HMIS Rating</p> <p style="text-align: right; font-weight: bold;">Health - 3</p> <p style="text-align: right; font-weight: bold;">Flammability - 0</p> <p style="text-align: right; font-weight: bold;">Reactivity - 1</p> <p style="text-align: right; font-weight: bold;">Personal Protection - B</p> <hr style="width: 50%; margin: 10px auto;"/> <p style="text-align: center;">0 = Minimal Hazard 4 = Severe Hazard B = Safety Glasses & Gloves</p>
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1. PRODUCT & COMPANY IDENTIFICATION **4. FIRST AID MEASURES**

Product Name..... Phos-Scrub
 Technical Name..... Corrosive Liquids, N.O.S.
 Chemical Use..... Acidic Cleaner
 Chemical Family..... Mixture
 Issue Date of MSDS..... August 9, 2007

MANUFACTURER:
Vapor Technologies, Inc.
 957 Nasa Road One #110
 Houston, TX 77058 USA
 (281) 957-5412
 www.vapor-tech.net

EMERGENCY TELEPHONE NUMBER:
 (877) 840-0646

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

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

Inhalation.....If exposed to excessive levels of fumes, remove to fresh air. Get medical attention if cough or other symptoms develop.

Ingestion.....Do not induce vomiting. Drink one or two glasses of water and get medical attention immediately!

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS#	% (by weight)
Phosphoric Acid	7664-38-2	25

5. FIRE FIGHTING MEASURES

Flash Point.....None.
 LFL.....None.
 UFL.....None.

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

Fire Fighting Instruction.....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.

3. HAZARDS IDENTIFICATION

Emergency Overview
 A light purple solution which is corrosive to eyes and skin!
 NFPA flammability rating of zero.

Potential Health Effects

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

Carcinogenicity:
 NTP.....No ingredients are listed.
 IARC.....No ingredients are listed.
 OSHA.....No ingredients are listed.

Chronic Effects.....Not determined.
 Target Organs.....Not determined.
 Signs & Symptoms.....Burns eyes and skin! (redness,swelling)

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section 8 - Personal Protection. Absorb spill with inert material (e.g., dry sand or earth), then place in chemical waste container.

7. HANDLING & STORAGE

Handling.....Avoid contact with eyes, skin, and clothing. Use in well ventilated area.

Storage.....Store in cool 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)



8. EXPOSURE CONTROL / PERSONAL PROTECTION

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

Respiratory Protection.....For most situations, no respiratory protection is necessary.

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

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

General Hygiene Considerations.....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.

Ingredients	CAS #	ACGIH
Phosphoric Acid	7664-38-2	2 mg/m ³ over 8 hours

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance.....Slightly Purple Color.

Odor.....Pleasant Odor.

pH.....1.5-2

Boiling Point.....220°F

Freezing Point.....30°F

Solubility in Water.....100%

Specific Gravity (water = 1).....1.14 to 1.16

10. STABILITY & REACTIVITY

Stability.....Stable.

Hazardous Polymerization.....Will not occur.

Incompatibilities.....Soft Metals.

Decomposition Products.....None determined.

11. TOXICOLOGICAL INFORMATION

Eye.....Not determined.

Skin.....Not determined.

Oral.....Not determined.

12. ECOLOGICAL INFORMATION

Contains no CFC's, phosphates, borates, halogens, or phenols.

13. DISPOSAL CONSIDERATIONS

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 MSDS incomplete, inaccurate, or otherwise inappropriate.)

14. TRANSPORTATION INFORMATION

A. USA:

D.O.T. Shipping.....Corrosive Liquid, N.O.S.
Technical Shipping Name.....Corrosive Liquid, N.O.S.
D.O.T. Label.....Corrosive Liquid, 8, UN1805.
D.O.T. Placard.....Corrosive.
Freight Class Package.....Class 55
Product Label.....Acidic Cleaner

B. CANADA:

TDG.....Corrosive.

C. ENGLAND:

Approved Carriage List.....Corrosive.

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.

16. STATE REGULATORY INFORMATION

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

17. OTHER INFORMATION

Revised Date.....August 9, 2007

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