

Safety Data Sheet

Better Chemistry. Better Business

PHOS-SEAL NC

Revised: 4/17/15

1 IDENTIFICATION

Product Code : 2900006

Recommended use of the chemical and restrictions on use: Industrial applications

Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

Telephone : 203-756-5521

Fax number: 203-756-9017

Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION

Signal Word: DANGER

Hazard Category: Skin Corrosion/Irritation Hazard Category 1C

Eye Damage/Irritation Hazard Category 1

Corrosive to Metals Hazard Category 1

Sensitization Respiratory Hazard Category 1B

Sensitization-Skin Hazard Category 1B

Carcinogenicity Hazard Category 1B

Toxic to Reproduction Hazard Category 1B

Acute Aquatic Toxicity-Category 1

Chronic Aquatic Toxicity-Category 1

Hazard Statements: Causes severe skin burns and eye damage.

May be corrosive to metals.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

May cause cancer.

May damage fertility or the unborn child.

Very toxic to aquatic life with long lasting effects.

Prevention: Do not breath dusts or mists.

Wash skin thoroughly after handling.

Wear rubber gloves, goggles and chemical protective clothing.

Keep only in original container.

Obtain special instruction before use.

Do not handle until all safety precautions have been read and understood.

Contaminated work clothing must not be allowed out of the workplace.

Avoid releases to the environment

In case of inadequate ventilation wear respiratory protection.

Response: If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing Rinse skin with water/shower .

Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call poison center/doctor if you feel unwell.

Specific treatment - refer to poison center or doctor for advice.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Absorb spillage to prevent material damage.

If exposed or concerned: Get medical advice/attention.

If skin irritation or rash occurs, get medical advice/attention.

Collect spillage

Storage: Store locked up.

Store in corrosive resistant high density polyethylene container.

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Phosphoric Acid	-	7664-38-2	3%
Cobalt Sulfate	-	10124-43-3	5-10%

4 FIRST AID

Skin:

Adverse symptoms may include the following: May cause redness, pain and severe skin burns.

Ingestion:

Adverse symptoms may include the following: Symptoms may include severe burns of the mouth, throat and stomach.
Ingestion of large quantities may cause gastrointestinal irritation, vomiting and diarrhea.

Suitable and Unsuitable
extinguishing media:

Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.

Special protective equipment
and precautions for firefighter

Fire fighters should enter area only if they are protected from all contact with the material. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.

Odor:	No odor
Odor Threshold:	N/A
PH:	Below 1
Melting Point/Freezing Point:	N/A
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Upper/Lower flammability or explosive limits:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	1.04
Solubility (ies):	Complete in water
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

10 STABILITY AND REACTIVITY

Reactivity:	No specific test data related to reactivity vavailable to this product or its ingredients.
Chemical Stability:	Stable under normal conditions Corrosive in presence of steel
Possibility of Hazardous Reactions:	Reacts violently with strong bases. Contact with metals may release flammable hydrogen gas.
Conditions to Avoid:	Extreme humidity, excess heat.
Incompatible Materials:	Metals, strong oxidizing agents and strong bases. Do not mix with solutions containing bleach or ammonia.
Hazardous Decomposition Products:	Under fire- Oxides of phosphorous at > 300 °C (572 °F)

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Phosphoric Acid-LD50-(Rat-female)-1.7 mL/100 g body weight
Oral Administration:	Cobalt Sulfate-LD50(Rat)-424 mg/kg
Immediate effects:	Irritation or burns to skin, eyes and respiratory system
Cancer Hazard:	Cobalt Sulfate-listed by IARC Group 2B-possibly carcinogenic to humans
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Crustations, Daphnia magna,	Phosphoric Acid-EC50 (48) >100 mg/L
Persistence and Degradability:	Does not readily biodegrade
Bioaccumulation potential:	Not known
Soil/Sediment Result:	Phosphoric Acid itself will not absorb into soil, in most cases it will dissociate into PO ₄ ³⁻ and H ⁺ ions in the soil pore water, and/or react with minerals present in the soil, in particular calcium, iron and aluminum. Except in very specific circumstances (acidic soils, certain mineral soil types, very high dosage of phosphoric acid) phosphoric acid will therefore not penetrate beyond the surface layer of soil and will not reach groundwater table.

Other adverse effects(such as hazardous to the ozone layer): Not known

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Number: 1760
UN Proper Shipping Name: CORROSIVE LIQUID, N.O.S.(CONTAINS PHOSPHORIC ACID)
Transport Hazard Class (es): 8
Packing Group: III
ERG: 154

15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 0