

3 COMPOSITION INFORMATION

Phosphoric Acid		7664-38-2	Approx 17%
Hydroxylamine Sulfate	-	10039-54-0	Approx 5%

4 FIRST AID

Remove exposed person to fresh air and support breathing as needed.

Immediately remove contaminated clothing under a safety shower. Flush all affected areas with large amounts of water for 15 minutes. DO NOT attempt to neutralize with chemical agents. Obtain medical advice.

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

Call a physician or poison control center immediately. Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If vomiting occurs, keep head low so that the stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.

Symptoms may include irritation to the nose, throat and upper respiratory tract.

Adverse symptoms may include the following: Symptoms may include redness, pain, blurred vision, eye burns and permanent eye damage.

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

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.

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

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.

7 HANDLING AND STORAGE

Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Wash hands thoroughly after handling.

Do not get in eyes, or on skin, or on clothing.

Keep container tightly closed.

Do not allow material to freeze.

Store in corrosive resistant container.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Phosphoric Acid	ACGIH	1 mg/m ³	
Hydroxylamine Sulfate	Not established		

Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).

Not required if proper ventilation controls are employed.

Acid resistant rubber.

Wear chemical safety goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

10 STABILITY AND REACTIVITY

No specific test data related to reactivity vavailable to this product or its ingredients.
Stable under normal conditions
Corrosive in presence of steel
Reacts violently with strong bases. Contact with metals may release flammable hydrogen gas.

Extreme humidity, excess heat.
Metals, strong oxidizing agents and strong bases. Do not mix with solutions containing bleach or ammonia.
Under fire- Oxides of phosphorous at > 300 °C (572 °F)

11 TOXICOLOGICAL INFORMATION

Phosphoric Acid-LD50-(Rat-female)-1.7 mL/100 g body weight
Hydroxiylamine Sulfate-LD50(Rat)-842 mg/kg
Irritation or burns to skin, eyes and respiratory system
Not listed by IARC, NTP, OSHA, ACGIH
Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Phosphoric Acid-EC50 (48) >100 mg/L
Not Available

Not known

Phosphoric Acid itself will not absorb into soil, in most cases it will dissociate into PO₄³⁻ 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.

Not known

13 DISPOSAL CONSIDERATION

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14 TRANSPORT INFORMATION

NOT D.O.T. REGULATED

15 REGULATORY INFORMATION

Phosphoric Acid-RQ=5000 lbs

16 OTHER INFORMATION

The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.