Safety Data Sheet

Better Chemistry. Better Business

HUBPIK VERSION 7 Revised: 1/7/15

1 IDENTIFICATION

Product Code : 2541031

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 1A
	Eye Damage/Irritation Hazard Category 1
	Corrosive to Metals Hazard Category 1
Hazard Statements:	Causes severe skin burns and eye damage.
	May be corrosive to metals.
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.
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
	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
	Absorb spillage to prevent material damage.
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	Approx 55%
Dipropylene Glycol Monomethyl Ether	-	34590-94-8	<6%
Ammonium Bifluoride	-	1341-49-7	Approx 5%

4 FIRST AID

After Inhalation:

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

After Skin Contact:

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.

After Eye Contact:

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.

After Ingestion:

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.

Most Important Symptoms/Effects

Inhalation:

Symptons may include irriitation to the nose, throat and upper respiratory tract.

Eye:

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

Skin:

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

Ingestion:

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

5 FIRE FIGHTING MEASURES

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 materail. 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.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc	Wear chemical goggle, gloves and face shield and protective clothing.
	Prevent spilled product from drains, sewers, waterways and soil.
Methods and Materials for containment & cleaning up:	Absorb the chemical onto sand, vermiculite, or any other non-combustible absorbent, and collect into containers for later disposal.

7 HANDLING AND STORAGE

Precautions for safe handling:	Avoid breathing dust

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:	Dipropylene Glycol Monmethyl Ether-LD50(Rat)->5000 mg/kg
Oral Administration:	LD50, rat, 60 - 130 mg/kg (Ammonium Fluoride)
Dermal administration:	Ammonium Bifluoride-LD50-for the hydrolysis product-50-200 mg/kg
Dermal administration:	Dipropylene Glycol Monmethyl Ether-LD50-Rabbit-9510 mg/kg
Immediate effects:	Irritation or burns to skin, eyes and respiratory system
Long term exposure:	Bifluorides-chronic exposure at high concentrations can cause bone fluorosis.
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Crustations, Daphnia magna,	Phosphoric Acid-EC50 (48) >100 mg/L
Persistence and Degradability:	Not Available
Bioaccumulation potential:	Not known
Soil/Sediment Result:	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.
Other adverse effects(such as hazardous to the ozone layer):	Not known

13 DISPOSAL CONSIDERATION

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

Cercla	Phosphoric Acid-RQ=5000 lbs

16 OTHER INFORMATION

Disclaimer:	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.