neemcco
MANUFACTURER OF FINE CHEMICALS
ISO 9001-2008 CERTIFIED COMPANY

PANAM ENGINEERING IS A SISTER CONCERN OF NEEMCCO

Division of Hypopphosphite & Co.
264/9,Panchshil,Sion(west)
Mumbai-400022.India
Tele : 91-22-22051070
: 91-22-24072148
Fax : 91-22-66332450
E.mail : neemcco@vsnl.com

MSDS OF HYPOPHOSPHOROUS ACID RESIN GRADE.

Section 1: Identification of the Substance

Product	: Hypophosphorous Acid.
Formula	: H_3PO_2.
Molecular Weight	: 66
Manufacturer	: NEEMCCO.

Section 2 CAS Number

CAS No	: 630-21-5

Section 3 Hazards Identification

Health Rating	: 2-Moderate.
Flammability Rating	: 1-Slight
Reactivity Rating	: 3-Severe (Explosive)
Contact Rating	: 2-Moderate
Lab Protective Equipment	: GOGGLES,LAB COAT,VENT HOOD,PROPER GLOVES.
Storage Color Code	: Yellow Strip (Store Separately).

Section 4: Potential Health Effects

4.1 Inhalation

Extremely destructive to tissues of the mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

4.2 Ingestion
Corrosive. Swallowing can cause severe burns of the mouth, throat, and stomach .Can cause sore throat, vomiting, diarrhea.

4.3 Skin Contact
Corrosive Symptoms of redness, pain, and severe burn can occur.

4.4 Eye Contact
Corrosive Contact can cause blared vision, redness, pain and severe tissue burns.

4.5 Chronic Exposure
(from inhalation) Chronic cough and respiratory irritation as well as gastrointestinal disturbances have been reported.

4.6 Aggravation of Pre-existing Conditions
Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance.

Section 5: First Aid Measures

5.1 Inhalation
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

5.2 Ingestion
If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5.3 Skin Contact
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.

5.4 Eye Contact
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Section 6: Accidental Release Measures

Remove all sources of ignition. Ventilate are of leak or spill. Wear appropriate personal protective equipment as specified in section 8.Isolate hazard are keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material(Soda Ash, Lime),then absorb with an inert material(e.g. Dry sand),and place in chemical waste container. Do not use combustible material such as saw dust.

Section 7: Handling and storage

Store in a cool, dry, ventilated are with acid resistant floor and good drainage. Protect from physical damage. Keep out of direct sunlight and away from heat, water, and incompatible material. Do not wash out container and use it for other purpose. When diluting, always add the

acid to water, never add water to the acid. Do not store in metal containers, as contact with moisture and metal at the same time may release flammable hydrogen gas. Containers of this material may be hazardous when empty since they retain product residues(vapour, Liquid),observe all warnings and precautions listed for the product.

Section 8: Exposure Controls/Personal Protection

8.1 Airborne Exposure Limits

None established

8.2 Ventilation System

A system of local and/or general exhaust is recommended to keep employee exposures is low as possible. Local exhaust ventilation is generally preferred because it can control the emission of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH documents for details.

8.3 Personal Respirators

For condition of use where exposure to the substance is apparent, consult an industrial Hygienist for emergencies, or in instances where the exposure levels are not known, use a full face pice positive pressure, air supplied respirator. WARNING Air purifying resprators do not protect workers in oxygen-deficient atmospheres.

8.4 Skin Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate to prevent skin contact.

Section 9: Physical and Chemical Properties

Appearance	: Clear colorless to yellow liquid.
Solubility	: Miscible in water.
Specific Gravity	: 1.20 to 1.25
Ph	: Acidic.
% Volatiles by volume@21C(70F)	: 100
Boiling Point	: 108C(226 F)
Environmental Toxicity	: No information found.

Section 10: Stability And Reactivity

Product is stable under room temperature 5years from the date of manufacturing.Highly reactive with oxidizing agents.

Section 11: Toxical Information

No data.

Section 12: Ecological Information

No data.

Section 13: Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a approved waste facility. Processing, use or contamination of this product may change the waste management option. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with fedral, state and local requirements.

Section 14: Transport Information

IATA/Air Transport	:
Proper Shipping Name (HYPOPHOSPHOROUS ACID)	: CORROSIVE LIQUIDE,ACIDIC,INORGANIC,
Hazard Class	: 8
UN/NA	: UN 3264
Packing Group	: III

Section 15 Other Information

NFPA Rating	: **Health: 3 Flammability: 2 Reactivity: 2**
Label Hazard Warning	:
DANGER CORROSIVE	
Product Use	: Pharmaceuticals / Paint / Plating Industries.

Section 16: Disclaimer

NEEMCCO provides the information contained here in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to appropriate precautionary handling of the material by properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose NEEMCCO.