



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

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PRODUCT IDENTIFIER:	Phosphoric Acid		
PRODUCT USE:	Chelating agent/ Plant nutrient	WHMIS CLASSIFICATION:	NAV
MANUFACTURER'S NAME:	Agrisol Manufacturing Inc.	SUPPLIER'S NAME:	Same as manufacturer
ADDRESS	220 – 7565, 132 Street, Surrey, BC, V3Z 1K7 Canada	ADDRESS	Same as manufacturer
Emergency Phone No: 1(604) 805-2417			

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	Conc in %	CAS #	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES & ROUTE)
Phosphoric Acid	30-100	7664-38-2	LD ₅₀ (oral male rat) 1530 mg/Kg LD ₅₀ (dermal rabbit) 2730 mg/Kg Inhalation LC ₅₀ (rat) 850 mg/m ³

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE:	Liquid	ODOUR & APPEARANCE	Odorless, but at elevated temperatures strong pungent odor. Clear, colorless liquid.
ODOUR THRESHOLD (ppm):	NAV	VAPOUR PRESSURE (mm Hg): @ 20°C	5.65-2.16
VAPOUR DENSITY (air=1):	NAV	EVAPORATION RATE: (Butyl Acetate =1.0)	NAV
pH:	<1 @ 1% Wt.	SOLUBILITY (in water):	Soluble in water
FREEZING/MELTING POINT/ (°C)	-17 - 27 °C/1-70°F	SPECIFIC GRAVITY	<1.573 @ 25°C
COEFF. WATER/OIL DIST	NAV	BOILING POINT	135-158°C/275-316 °F

SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABLE: This product is not defined as flammable or combustible.			
IF YES, UNDER WHAT CONDITIONS?	Product is not combustible, however, contact with combustible material may cause fire.		
MEANS OF EXTINCTION:	Use DRY chemical, carbon dioxide, alcohol foam or water spray as extinguishing agents.		
FLASHPOINT (°C) & METHOD:	NAV	AUTOIGNITION TEMPERATURE (°C)	NAV
LOWER FLAMMABLE LIMIT (% by volume):	NAV	UPPER FLAMMABLE LIMIT (% by volume):	NAP
SENSITIVITY TO IMPACT:	It is not self-reactive and is not sensitive to physical impact.	SENSITIVITY TO STATIC DISCHARGE:	NAV

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ENGINEERING CONTROLS:	Local exhaust ventilation required. Ensure that eye wash station are near working station/place.
HANDLING PROCEDURES:	Avoid inhalation and prolonged and/or repeated skin and eye contact. Minimize generation of dust. In certain concentrations, the product may form an explosive dust-air mixture.
STORAGE REQUIREMENTS:	Keep containers closed and dry. This material is suitable for any general chemical storage area. Isolate from strong oxidizing agents. Store in a cool and dry place below 25°C. Do not open the container until read for use.
LEAK AND SPILL PROCEDURE:	Safely stop source of spill. Restrict non-essential personnel from area. All personnel involved in spill cleanup should avoid skin and eye contact by wearing appropriate personal protective equipment.
WASTE DISPOSAL:	Wastes disposal must be done in accordance with government requirements and local disposal regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 8 – FIRST AID MEASURES

INHALATION:	Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate attention.
SKIN CONTACT:	Remove contaminated clothing, shoes and equipment. Wash affected areas with soap and plenty of water for fifteen (15) minutes. If the victim is wearing contact lenses, remove them. Remove contaminated clothing and launder before reuse. Discard contaminated shoes and discard. Get medical attention if irritation occurs or persists.
EYE CONTACT:	Flush eyes thoroughly with large quantities of running water for a minimum of 15 minutes. Get medical attention. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water.
INGESTION:	If patient is fully conscious, give two glass of water. Get medical attention ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Administer artificial respiration if breathing stopped. Note to Physician: Attending physician should treat exposed patients symptomatically.

SECTION 9 – DEPARTMENT OF TRANSPORTATION

- Class 8, UN1805, DOT PG III

-Placecard: Corrosive

SECTION 10 – PREPARATION DATE OF MSDS

PREPARED BY: Agrisol Manufacturing Inc.
220 – 7565, 132 Street,
Surrey, BC, V3Z 1K7
Canada

ADDITIONAL INFORMATION:

At the time of preparation, the information and data contained in this MSDS are believed to be accurate and have been compiled from sources that are believed to be reliable.

BUSINESS NUMBER: 604-805-2417**DATE:** November, 2015