



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

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PRODUCT IDENTIFIER: HIGH pH SOLUTION

PRODUCT USE: pH Correction Product

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

IN CASE OF EMERGENCY: 1(604) 805-2417

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES & ROUTE)
Potassium Hydroxide	1310-58-3	LD ₅₀ (oral, rat) Acute 273 mg/kg
Potassium Carbonate	584-08-7	LD ₅₀ (oral, rat) Acute 1870 mg/kg

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE:	Liquid	ODOUR & APPEARANCE	Slight odour, Light brown liquid
ODOUR THRESHOLD (ppm):	NAV	VAPOUR PRESSURE (mmHg):	NAV
VAPOUR DENSITY (air=1):	NAV	SPECIFIC GRAVITY:	1.15 g/ml
pH:	12.5 – 13.5	BOILING POINT (°C)	NAV
FREEZING POINT (°C)	NAV	EVAPORATION RATE:	NAV
COEFF. WATER/OIL DIST	NAV	SOLUBILITY (in water):	Soluble in water

SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABLE: Not Applicable

FLAMMABILITY CLASS (WHIMS): Not regulated

IF YES, UNDER WHAT CONDITIONS? Product is not combustible.

MEANS OF EXTINCTION: Use media appropriate fire and/or materials. Use carbon dioxide or dry chemicals for small fires.

UNUSUAL FIRE OR EXPLOSION HAZARDS: Avoid direct contact .May react with with strong acids.

FLASHPOINT (°C) & METHOD:	NAV	AUTO IGNITION TEMPERATURE (°C)	NAV
LOWER FLAMMABLE LIMIT (% V):	NAV	UPPER FLAMMABLE LIMIT (% by volume):	NAV
SENSITIVITY TO IMPACT:	Not expected to be sensitive to mechanical impact.		

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SENSITIVITY TO STATIC DISCHARGE: Not expected to be sensitive to static discharge.

FIRE FIGHTER'S INSTRUCTIONS: Use self breathing apparatus and protective clothing. Fire-exposed containers should be kept cool by spraying water. Spilled material may cause floors to become slippery.

HAZARDOUS COMBUSTION PRODUCTS:	Thermal decomposition products are toxic and may include Potassium Carbonate and oxides of Potassium.
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SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY:	Stable at room temperature in closed containers and under normal storage and handling conditions.
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INCOMPATIBILITY:	Organic materials, nitro-carbons and metals or alloys. Potassium Hydroxide violently reacts with acids.	CORROSIVE BEHAVIOUR:	Not Corrosive
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REACTIVITY AND UNDER WHAT CONDITIONS:	Keep away from ignition sources, heat and incompatible materials.
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HAZARDOUS DECOMPOSITION PRODUCTS:	Please see Hazardous combustion products.
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SECTION 6 – TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY:

SKIN CONTACT:	Yes	SKIN ABSORPTION:	Yes	EYE CONTACT:	Yes	INHALATION:	Yes	INGESTION:	Yes
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EFFECTS OF ACUTE EXPOSURE TO PRODUCT:

INGESTION:	Ingestion of large amounts may cause gastrointestinal irritation/burn characterized by abdominal cramps, nausea and vomiting. Ingestion may also cause headaches, laboured breathing, confusion and dizziness.
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INHALATION:	Repeated exposure/inhalation to this product can cause respiratory track irritation.
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EYE CONTACT:	It is a severe eye irritant.
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SKIN CONTACT:	Contact with skin causes irritation and may burn if not washed immediately.
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EFFECTS OF CHRONIC EXPOSURE: NAV

CARCINOGENICITY:	No evidence	MUTAGEN CITY:	No evidence
REPRODUCTIVE HAZARD:	No evidence	TERATOGENICITY:	No evidence
IRRITANCY:	Mild irritancy	SENSITIZATION:	Possible skin reddening/burning if affected area is not washed off immediately.

SYNERGISTIC PRODUCTS:	NAV
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SECTION 7 – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	Hands wear: Wear water resistant rubber type gloves (latex, nitrite, PVC). Respirator: Wear- NIOSH approved dust filter cartridge to remove spray vapours. Eye: Wear goggles and take all precautions to avoid eye contact. Foot: Wear an impermeable apron and boots. Clothing: Use self breathing apparatus and protective clothing. Protective clothing for skin and eye protection should be worn to protect against high alkaline materials.
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ENGINEERING CONTROLS:	Local exhaust and general mechanical ventilation is required. Ventilation should be corrosion proof.
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HANDLING PROCEDURES:	Do not handle unless safety precaution have been read and understood, avoid eye and skin contact. Avoid inhalation of vapours. Do not puncture, drag or slide container.
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STORAGE REQUIREMENTS:	Should be stored in its original containers in a cool dry location to minimize product expansion and possible leakage.
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LEAK AND SPILL PROCEDURE:	Cleanup personnel should wear personal protective equipment as necessary to prevent skin/eye contact. Place into suitable container for reclamation or disposal. Damp mop any residues.
WASTE DISPOSAL:	Dispose of this product as an industrial fertilizer. Reclaim waste where possible. Dispose of unsalvageable waste as required by applicable federal, state, and local regulations. Contact your supplier or a licensed chemical waste disposal contractor for treatment and disposal services

SECTION 8 – FIRST AID MEASURES

INHALATION:	Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped, assist breathing with oxygen. Obtain medical assistance immediately.
SKIN CONTACT:	Thoroughly wash the affected area with mild soap and water for fifteen (15) minutes. Seek medical attention if irritation persists.
EYE CONTACT:	Flush eyes, including under the eyelids, with clean running water for at least fifteen (15) minutes. Seek medical attention if irritation persists.
INGESTION:	Do not attempt to give anything by mouth to unconscious victim. If victim is alert and not convulsing, rinse mouth and give water to dilute material. Do not induce vomiting. If vomiting occurs, have victim lean forward with head down to avoid breathing in vomit, rinse mouth. Obtain medical attention immediately.

SECTION 9 – DEPARTMENT OF TRANSPORTATION**SHIPPING INFORMATION****US and Canada:** Not regulated**International Shipping:** Not regulated**TDG:** Not regulated.**IATA:** Not regulated**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
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BUSINESS NUMBER: 604-805-2417**DATE:** November, 2015