

MATERIAL SAFETY DATA SHEET

Nutriline pH Up

REF NO.: pHup2015
ISSUE DATE: Nov / 10 / 2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Nutrilife pH up
SYNONYMS: NIL
PRODUCT CODE: 3105.20.00 00

MANUFACTURER: NUTRILIFE PLANT PRODUCTS
ADDRESS: #102, 26730 – 56TH AVENUE
ALDERGROVE, BC CANADA V4W 3X5

EMERGENCY PHONE: 1-877-533-9572
CHEMTREC PHONE:
OTHER CALLS: 1-604-856-6152
FAX PHONE: 1-604-856-6154

CHEMICAL FAMILY: pH adjustment
PRODUCT USE: A pH up adjustment
PREPARED BY: NUTRILIFE PLANT PRODUCTS, CANADA
SECTION 1 NOTES: SHAKE WELL BEFORE USING

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a solution for pH up adjustment following ingredients:

Ingredient	Amount (% wt./wt.)	
Total Potassium Hydroxide (45%)	25.0	CAS# 1310-58-3
Total water, purified	75.0	CAS# 7732-18-5

The product is classified hazardous under OSHA regulations

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Caution, may irritate skin or eyes.
Primary routes of entry: Skin or eye contact from splashes.

Hazard Symbol: none

Potential Health Effects:

- Signs and Symptoms of Acute Overexposure: NDA.
- Signs and Symptoms of Chronic Overexposure: NDA.
- Medical Conditions Generally Aggravated by Over Exposure: None known.

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS

EYES: Immediately flush eyes with water for 15 minutes. Get medical attention.

SKIN: Wash skin with water and soap. Remove contaminated clothing and laundry before reuse.

INGESTION: Drink plenty of water if more than a mouthful is accidentally ingested. May irritation of the digestive track if ingested. Nausea, vomiting, diarrhea and transient disorientation may occur in the event of a large quantity has been ingested. Get prompt medical attention.

INHALATION: Inhalation of dust may cause breathing problems. Use protective mask while handling large quantities. Get medical attention if inhaled.

ACUTE HEALTH HAZARDS: None

CHRONIC HEALTH HAZARDS: None

CARCINOGENICITY

OSHA: N/A ACGIH: N/A NTP: N/A IARC: N/A

SECTION 4: FIRST AID MEASURES

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EYES: Immediately flush eyes with water for 15 minutes. Get medical attention.

SKIN: Wash skin with water and soap. Remove contaminated clothing and launder before reuse.

INGESTION: Drink plenty of water if more than a mouthful is accidentally ingested. Get prompt medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

FIRE FIGHTING MEASURES: Product does not support combustion

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Keep product out of sewage and drainage systems. Ventilate area of leak and spill as soon as possible. Neutralize with dilute acid solutions

SECTION 6 NOTES:

NEUTRALIZING CHEMICALS: Dilute acid solutions

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Handle opened containers carefully. Wash hands after contact. Do not store the product in metal containers especially brass, bronze, etc. and other alloys Store containers in dry place. Keep containers closed when not in use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: None

VENTILATION: use ventilated area

RESPIRATORY PROTECTION: No special protection equipment required.

EYE PROTECTION: general protection equipment required

SKIN PROTECTION: No special protection equipment required.

SECTION 8 NOTES: No special precautions, however please keep away from contact with skin and eyes

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, colorless liquid

ODOR: Odorless

PHYSICAL STATE: Liquid

pH AS SUPPLIED: Alkaline

pH (Other):

BOILING POINT: Aprox 100 C

MELTING POINT: Approx 0 C

FREEZING POINT: As water

VAPOR PRESSURE (mmHg):

VAPOR DENSITY (AIR = 1):

SPECIFIC GRAVITY (H₂O = 1): Slightly more than water (1.2)

EVAPORATION RATE: N/A

BASIS (=1):

SOLUBILITY IN WATER: Easily miscible in water

MOLECULAR WEIGHT: Not determined

VISCOSITY: As water

SECTION 10: STABILITY AND REACTIVITY

	<u>STABLE</u>	<u>UNSTABLE</u>
STABILITY:	Stable	-N/A-

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CONDITIONS TO AVOID (STABILITY):	Incompatible materials, excess heat
INCOMPATIBILITY (MATERIAL TO AVOID):	strong acids, acetone, metals such as aluminium, tin, zinc, chlorinated hydrocarbons.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Oxides of potassium, decomposition by reaction with certain metals, release flammable and explosive hydrogen gas.
HAZARDOUS POLYMERIZATION:	Does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Non toxic

SECTION 11 NOTES: Irritating to eyes and can cause irritation to skin.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: The product would not harm the established ecosystem.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: The product does not have any hazardous substances and waste material and do not need special precautions to be taken. Dispose of according to local, provincial and federal laws and follow standard disposal procedures.

RCRA HAZARD CLASS: None of the ingredients are listed under any sections of the Federal Resource Conservation and Recovery Act (RCRA)

SECTION 14: TRANSPORT INFORMATION

DOT – UN1814 Potassium Hydroxide, 8,

SECTION 15: REGULATORY INFORMATION

OSHA Status: These chemicals are considered hazardous by OSHA

Canada DSL: These chemicals are listed on the DSL list

TSCA: The components of this solution are listed on the TSCA inventory list.

SARA Title III Section 313: Not applicable

RCRA Status: Not applicable

CERCLA Reportable Quantity: Potassium Hydroxide – 1000 lbs

WHIMIS – Not applicable

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

SECTION 16: OTHER INFORMATION

Users are required to observe the recommendation provided in this document in order to avoid risks.

Nutrilife Plant Products provides the above information in good faith based on data to be considered accurate. However, no warranty is expressed or implied regarding the accuracy of data obtained, or the results to be obtained from the use thereof.

Revised on Nov 10, 2015

Reason for change: Standardization