

MATERIAL SAFETY DATA SHEET

HEAVY HAVEST GROW

Ref.: NHHG2014

ISSUE DATE: MAY / 26 / 2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Heavy Harvest Grow
SYNONYMS: NIL
PRODUCT CODE: 3105.20.00 00

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

EMERGENCY PHONE: 1-613-996-6666
CHEMTREC PHONE:
OTHER CALLS: 1-604-856-6152
FAX PHONE: 1-604-856-6154

CHEMICAL FAMILY: Specialty fertilizer

PRODUCT USE: Hydroponics
PREPARED BY: NUTRILIFE PLANT PRODUCTS., Canada

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a clear liquid with no odor.

Contains the following ingredients:

Ingredient	Amount (% wt./wt.)
Total Nitrogen (N)	4.0
Total Phosphorous (P)	0.0
Total Potassium (K ₂ O)	2.0
Total Calcium (Ca)	2.0

The nutrients are derived Calcium Nitrate, Ammonium Nitrate, Potassium Nitrate, and Nitric acid

The product is classified as 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

Hazardous Ingredients:

Potassium Phosphate	8.7%	CAS#: 7778-77-0
Calcium Nitrate	8.7%	CAS#: 10124-37-5
Potassium Nitrate	8.7%	CAS#: 7757-79-1
Phosphoric Acid	2.2%	CAS#: 7664-38-2

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: May cause irritation, redness, pain upon direct contact

SKIN: May cause mild irritation

INGESTION: May cause gastrointestinal disturbances

INHALATION: May cause respiratory tract irritation

ACUTE HEALTH HAZARDS: None

MATERIAL SAFETY DATA SHEET

HEAVY HAVEST GROW

Ref.: NHHG2014

ISSUE DATE: MAY / 26 / 2015

CHRONIC HEALTH HAZARDS: None

CARCINOGENICITY

OSHA: N/A

ACGIH: N/A

NTP: N/A

IARC: N/A

SECTION 4: FIRST AID MEASURES

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.

SECTION 6 NOTES:

NEUTRALIZING CHEMICALS: Not applicable

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: None

RESPIRATORY PROTECTION: Provide good room ventilation.

EYE PROTECTION: Sufficient to avoid direct contact with eyes.

SKIN PROTECTION: Sufficient to avoid direct contact with skin.

SECTION 8 NOTES: Store in labeled, closed container at room temperature. Keep away from children

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear

ODOR: No odor.

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 2.1

pH (Other):

BOILING POINT: 95C

MELTING POINT: N/A

FREEZING POINT: -4C

VAPOR PRESSURE (mmHg):

VAPOR DENSITY (AIR = 1):

SPECIFIC GRAVITY (H₂O = 1): 1.20

EVAPORATION RATE: <1 (butyl acetate = 1

BASIS (=1):

SOLUBILITY IN WATER: Easily miscible in water

MATERIAL SAFETY DATA SHEET

HEAVY HAVEST GROW

Ref.: NHHG2014

ISSUE DATE: MAY / 26 / 2015

MOLECULAR WEIGHT: Not determined
VISCOSITY: As water

SECTION 10: STABILITY AND REACTIVITY

	<u>STABLE</u>	<u>UNSTABLE</u>
STABILITY:	Stable	-N/A-
CONDITIONS TO AVOID (STABILITY):	None	
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong oxidizers or reducers	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	When heated to decomposition, can emit toxic fumes of nitrogen oxide	
HAZARDOUS POLYMERIZATION:	None	

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: None under ordinary circumstances

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. However, because the product contains nutrients which can cause rapid growth of plants and grass.

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

This product does not contain any material listed as a hazardous material by the Transport Canada, U.S Department of Transport, International maritime Organization and United Nations.

SECTION 14 NOTES: Can be transported safely by road, rail and air transportation by using the standard transportation safety procedures.

SECTION 15: REGULATORY INFORMATION

HAZARD CATEGORIES: Not Applicable

REPORTABLE INGREDIENTS: None

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 May 26 2015
Reason for change: Standardization