

# SAFETY DATA SHEET

FILE NO.: BPTEK-2018Q3

NAME OF PRODUCT: **Enviro K (0-0-30)**

Preparation Date: 04/19/2016

Revision: 08/14/2018

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT CODES:** BPT-EK  
**PRODUCT NAME:** Enviro K (0-0-30)  
**SYNONYMS:** Potassium carbonate nutrient blend

**MANUFACTURER:** BioPro Technologies, LLC  
**ADDRESS:** 4060 SE 45<sup>th</sup> Court, Ocala, FL 34480



**EMERGENCY PHONE:** (888) 545-6307  
**CHEMTREC PHONE:**  
**OTHER CALLS:** (352) 620-2020  
**FAX PHONE:** (352) 620-0312

**PRODUCT USE:** Plant nutrient  
**PREPARED BY:** E.F. Wilson III

## SECTION 2: HAZARDS IDENTIFICATION

### GHS CLASSIFICATION:

Health:	Environmental:	Physical:
Acute Toxicity: Oral : Category 4 Eye Effects: Category 1 Respiratory Irritation: Category 1A	Acute Aquatic Toxicity: Category 2	Corrosive

GHS Pictogram:	ANSI/Old Pictogram:	Signal Word: Danger
		

Hazard Statements:	Precautionary Statements:
Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.	P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P103: Read label before use P261: Avoid breathing mist/spray P262: Do not get in eyes, on skin, or on clothing P264: Wash skin thoroughly after handling P270: Do not eat, drink or smoke when using this product P280: Wear protective gloves/protective clothing/eye protection/face protection P281: Use personal protective equipment as required  P353: Rinse skin with water/shower  If swallowed: Call a poison center and/or Doctor if you feel unwell.  If inhaled: Remove person to fresh air and keep comfortable for breathing.  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and able to do so. Continue rinsing eyes. Seek medical attention if eye irritation persists.

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## SECTION 2 NOTES:

AMBER ODORLESS LIQUID

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### INGREDIENTS:

Potassium Carbonate\* - CAS# 584-08-7 - 40-50%

Potassium Fulvate\* - CAS# 479-66-3 - <5%

\*AS PER 29 CFR §1910.1200, THE SPECIFIC CHEMICAL IDENTITY AND/OR EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET.

## SECTION 3 NOTES:

## SECTION 4: FIRST AID MEASURES

**IF INHALED:** Remove victim from contaminated atmosphere. If breathing is labored, administer oxygen. If breathing has ceased, clear airway and start CPR. Obtain medical attention.

**IF ON SKIN (OR HAIR):** Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Continue rinsing. Obtain medical attention if irritation occurs.

**IF IN EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention

**IF SWALLOWED:** Rinse mouth. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce vomiting unless directed to do so by a physician. Obtain medical attention.

**SECTION 4 NOTES:** Provide general supportive measures and treat symptomatically. Keep victim warm. In case of shortness of breath, give oxygen. Keep victim under observation. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE PROPERTIES:** NOT FLAMMABLE

**FLASH POINT:** SAMPLE BEGINS TO BOIL BUT NO FLASH IS OBSERVED

**AUTOIGNITION TEMPERATURE:** NOT APPLICABLE, MIXTURE WILL NOT AUTOIGNITE

### NFPA HAZARD CLASSIFICATION

HEALTH: 1                      FLAMMABILITY: 0                      REACTIVITY: 0  
OTHER: 0

**EXTINGUISHING MEDIA:** FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG, OTHER MEDIA SUITABLE FOR COMBUSTIBLES INVOLVED IN FIRE.

**SPECIAL FIRE FIGHTING PROCEDURES:** LIQUID MATERIAL DOES NOT BURN. DRY MATERIAL MAY BURN. THERE ARE NO SPECIAL FIREFIGHTING PROCEDURES. COOL SEALED CONTAINERS TO REDUCE RISK OF RUPTURE DUE TO EXCESSIVE HEAT.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS:** SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING MUST BE WORN IN CASE OF FIRE. MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO SO WITHOUT RISK. KEEP CONTAINERS/STORAGE VESSELS IN FIRE AREA COOLED WITH WATER SPRAY. MOVE CONTAINER FROM FIRE AREA IF POSSIBLE WITHOUT RISK.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** During fire, gases hazardous to health may be formed. Heating (flames) of closed or sealed containers may cause violent rupture of container due to thermal expansion of compressed gases.

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HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Keep people away from any upwind of spill/leak. Keep out of low areas. Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**ENVIRONMENTAL PRECAUTIONS:** Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

**CONTAINMENT METHODS AND CLEANUP:** Stop the flow of material, if this is without risk.  
Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to avoid contamination. Never return spills in original containers for re-use. Dispose of in accordance with local, State, and Federal laws and regulations; see Section 13.

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## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Do not taste or swallow. Avoid breathing mist or vapor. Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.

**OTHER PRECAUTIONS:** THIS PRODUCT IS FOR AGRICULTURAL AND HORTICULTURAL USE ONLY AND IS NOT INTENDED FOR OTHER APPLICATIONS. USE NORMAL SAFE HANDLING PROCEDURES AS WITH ALL CHEMICALS. SEE LABEL FOR APPLICATION INSTRUCTIONS AND DIRECTIONS FOR USE.

**SECTION 7 NOTES:** Store locked up. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS).

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** PROVIDE EYE WASH STATION.

**VENTILATION :** NOT NORMALLY NEEDED

**RESPIRATORY PROTECTION:** NOT NORMALLY NEEDED DUE TO NO TLV ASSOCIATED WITH THIS PRODUCT. USE A NUISANCE CHEMICAL OR DUST MASK IF WORKING IN SPRAY MIST.

**EYE PROTECTION:** SPLASH PROOF GOOGLES ARE RECOMMENDED WHILE POURING AND HANDLING TO PREVENT EYE CONTACT FROM SPLASH.

**SKIN PROTECTION:** RUBBER GLOVES ARE RECOMMENDED FOR NORMAL CLEANLINESS.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Wear suitable protective clothing. Wash contaminated clothing prior to reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

**WORK HYGIENIC PRACTICES:** When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**EXPOSURE GUIDELINES:** THIS PRODUCT DOES NOT EMIT ANY FORM OF ENERGY, RADIANT OR OTHERWISE. NO OCCUPATIONAL EXPOSURE LIMITS NOTED.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** AMBER LIQUID

**ODOR:** ODORLESS

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PHYSICAL STATE: LIQUID

pH AS SUPPLIED: 13.2

**BOILING POINT:**

F: 212 DEGREES F

C: 100

**MELTING POINT/FREEZING POINT:**

F: 32

C: 0

VAPOR PRESSURE (mmHg): Unknown

VAPOR DENSITY (AIR = 1): Unknown

SPECIFIC GRAVITY (H2O = 1): 1.47

EVAPORATION RATE: Not determined.

BASIS (=1):

SOLUBILITY IN WATER: COMPLETE

PERCENT VOLATILE: NO VOLATILITY PRESENT

VOLATILE ORGANIC COMPOUNDS (VOC): NONE

MOLECULAR WEIGHT: NO DATA PRESENT

VISCOSITY: 1-10 CPS @ 21°C

SECTION 9 NOTES: 12.26LBS/GAL

1.47Kg/L

DENSITY = 1.5 g/cm3

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## SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:** Material is stable under normal conditions.

**CONDITIONS TO AVOID (STABILITY):** Avoid interaction with heat (flames) or contact with acids.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Acids, alkaline metals and excessive heat.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon dioxide, which may displace oxygen and cause suffocation of personnel.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Temperatures above 120°F (49°C) and below 32°F (0°C).

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## SECTION 11: TOXICOLOGICAL INFORMATION

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**TOXICOLOGICAL INFORMATION:** Not determined; no data available. This product does not bioaccumulate.

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## SECTION 12: ECOLOGICAL INFORMATION

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**ECOLOGICAL INFORMATION:** This material is believed not to persist in the environment and is not expected to bioaccumulate in organisms. Ecotoxicity data not available.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** Dilute with water, neutralize with a dilute acid solution. Collect and reclaim or dispose in sealed containers at licensed waste disposal site or flush neutralized material to sewer, as permitted by law. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**HAZARDOUS WASTE CODE:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

RCRA HAZARD CLASS: NOT APPLICABLE

## SECTION 14: TRANSPORT INFORMATION

### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Corrosive Liquid; Enviro K (0-0-30)

HAZARD CLASS: 8

ID NUMBER: NOT APPLICABLE

PACKING GROUP: ii

PLACARD: UN1760

OTHER AGENCIES:

SECTION 14 NOTES: Suitable storage in coated steel or plastic. May ship in tank car, trucks, drums.

## SECTION 15: REGULATORY INFORMATION

**U.S. FEDERAL REGULATIONS:** This product meets the criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** NOT APPLICABLE

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** NOT APPLICABLE

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** NOT APPLICABLE

**HAZARD CATEGORIES:**

- Immediate Hazard - Yes
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

**REPORTABLE INGREDIENTS:** NOT APPLICABLE

**STATE REGULATIONS:** SOME U.S. STATES REQUIRE PRODUCT REGISTRATION

**INTERNATIONAL REGULATIONS:** CONSULT LAWS OF APPLICABLE JURISDICTION

SECTION 15 NOTES:

## SECTION 16: OTHER INFORMATION

**OTHER INFORMATION:**

**PREPARATION INFORMATION:**

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