

GROWTH PRODUCTS, LTD.  
P.O. BOX 1252  
WHITE PLAINS, NY 10602

914-428-1316

**MATERIAL SAFETY DATA SHEET**

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**SECTION ONE - PRODUCT DESCRIPTION**

TRADE NAME: GROWTH PRODUCTS, LTD.

**NAME: ESSENTIAL PLUS**

TYPE: LIQUID FERTILIZER SOLUTION

APPLICATION: PROPRIETARY PRODUCT GROWTH PRODUCTS INC.

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**SECTION TWO - HAZARDOUS INGREDIENTS**

THIS MATERIAL IS NOT A 'HEALTH HAZARD' OR A 'PHYSICAL HAZARD' AS DETERMINED WHEN REVIEWED ACCORDING TO THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIONS 29 CFR 1910.1200 '

HAZARD COMMUNICATIONS' STANDARD.

CHEMICAL HAZARD RATING

HEALTH = 1 (SLIGHT)

FIRE = 0 (LEAST)

REACTIVITY = 0 (LEAST)

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**SECTION THREE - PHYSICAL DATA**

APPEARANCE THICK SOLUTION

COLOR BROWN

ODOR SWEET / SALTY ORGANIC SMELL

WEIGHT PER GALLON 8.99# @ 21C

STORAGE LIFE AT 70F 2 YEARS

PH-21C 7.5 - 8

WATER SOLUBILITY COMPLETELY MISCIBLE

EVAPORATION RATE SAME AS WATER

BOILING POINT ABOUT 210 DEG. F

FREEZING POINT 32 DEG. F

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**SECTION FOUR - FIRE FIGHTING DATA**

FLASH POINT (METHOD USED CLOSED CUP) NONCUMBUSTILBE

FLAMMABLE LIMIT LEL: N.A. UEL: N.A.

EXTINGUISHING MEDIA DOES NOT BURN

SPECIAL FIRE FIGHTING PROCEDURES NONE

UNUSUAL FIRE & EXPLOSION PROCEDURES NONE

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**SECTION FIVE - HEALTH & FIRST AID DATA**

THRESHOLD LIMIT VALUE: NONE ESTABLISHED

EFFECTS OF OVER EXPOSURE: LIQUID CONTACT MAY CAUSE SLIGHT EYE IRRITATION AND REPEATED SKIN EXPOSURE MAY CAUSE SOME SKIN IRRITATION. INGESTION: CALL A PHYSICIAN IMMEDIATELY IF SIGNIFICANT AMOUNTS HAVE BEEN SWALLOWED. GIVE THE EMPLOYEE LARGE AMOUNTS OF WATER OR MILK TO DRINK FOR DILUTION EFFECT. DO NOT INDUCE VOMITING.

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(PFN/NOM)

GROWTH PRODUCTS, LTD.

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**NAME: ESSENTIAL PLUS**

**TYPE: LIQUID FERTILIZER SOLUTION**

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INHALATION: NOT EXPECTED TO BE HARMFUL UNDER NORMAL CONDITIONS OF USE, HOWEVER, IF ALLOWED TO BECOME AIRBORNE, MAY CAUSE IRRITATION OF NOSE, THROAT AND LUNGS.

SKIN: MAY CAUSE IRRITATION ON PROLONGED OR REPEATED CONTACT.

EYES: MAY CAUSE IRRITATION ON PROLONGED OR REPEATED CONTACT.

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**SECTION SIX - REACTIVITY DATA**

STABILITY: STABLE

CONDITIONS TO AVOID IF UNSTABLE: NOT APPLICABLE INCOMPATIBILITY WITH OTHER MATERIALS: NOT APPLICABLE

HAZARDOUS DECOMPOSITION PRODUCTS OF DRY MATERIAL: CO, CO2, NH3

ALDEHYDES (INCLUDING FORMALDEHYDE), PARTICULATE MATTER AND OTHER ORGANIC COMPOUNDS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID UNCONTROLLED POLYMERIZATION: NOT APPLICABLE.

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**SECTION SEVEN - SPILL & DISPOSAL PROCEDURES**

STEPS TO BE TAKEN TO HANDLE SPILLS OR RELEASES: PREVENT PRODUCT FROM ENTERING DRINKING WATER SUPPLIES. COLLECT LIQUID OR SOLIDIFY WITH ABSORBANT MATERIAL AND PACKAGE FOR DISPOSAL ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

WASTSE DISPOSAL PROCEDURES: THIS PRODUCT IS LIKELY TO HAVE A PH LESS THAN 8.5 AND WOULD NOT BE CONSIDERED A FEDERAL HAZARDOUS WASTE ACCORDING TO EPA REGULATION 40CFR 261. DISPOSE IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

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**PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: NOT NORMALLY NEEDED VENTILATION: WHERE AIR CONTAMINANTS CAN EXCEED ACCEPTABLE CRITERIA, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANTS I AIR IN ACCORDANCE WITH OSHA 29 CFR 1910.134 OR OTHER APPLICABLE STANDARDS OR GUIDELINES.

USE GOGGLES IF CONTACT IS LIKELY.

WEAR IMPERVIOUS GLOVES AS REQUIRED TO PREVENT SKIN CONTACT.

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**SECTION EIGHT - SPECIAL PRECAUTIONS**

NOT HARMED BY FREEZING, BUT THAW FROZEN FERTILIZER SLOWLY AND STIR BEFORE USING.

STORE IN A COOL PLACE. ROTATE STOCK IN STORAGE TO USE OLDEST FIRST.

REFER TO PRODUCT SPECIFICATIONS.

18-APRIL-2001

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