

GROWTH PRODUCTS, LTD.
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MATERIAL SAFETY DATA SHEET

SECTION ONE - PRODUCT DESCRIPTION

TRADE NAME: GROWTH PRODUCTS
NAME: 14-7-14 WITH 50% SRN PLUS MICRONUTRIENTS
TYPE: LIQUID HORTICULTURE FERTILIZER SOLUTION
APPLICATION: PROPRIETARY PRODUCT GROWTH PRODUCTS INC.

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)

SECTION THREE - PHYSICAL DATA

APPEARANCE THICK SOLUTION
COLOR DARK RED
ODOR ORGANIC SWEET SMELL
WEIGHT PER GALLON 11.31# @ 21C
STORAGE LIFE AT 70F 2 YEARS
PH-21C 10
WATER SOLUBILITY COMPLETELY MISCIBLE
EVAPORATION RATE SAME AS WATER
BOILING POINT SAME AS WATER
FREEZING POINT 20 DEG. F

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

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.

READ NEXT PAGE
(LF 14-7-14)

NAME: 14-7-14 WITH 50% SRN PLUS MICRONUTRIENTS

TYPE: LIQUID HORTICULTURE FERTILIZER SOLUTION

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.

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.

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.

WASTE 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.

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 IS 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.

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.