



MATERIAL SAFETY DATA SHEET

M.S.D.S.

I - PRODUCT IDENTIFICATION

TRADE NAME (as labeled) : GROW MORE EZ WET SOIL PENETRANT

CHEMICAL NAME : Alkylphenoxy Polyethoxy Ethanol
 SYNONYM : Alkylphenyl - Hydroxypolyoxyethylene

MANUFACTURER'S NAME : GROW MORE, INC.
 15600 New Century Drive
 Gardena, CA 90248
 Tel. (310) 515-1700
 Fax (310) 515-4937

DATE PREPARED/REVISED : August 1, 2001

NAME OF PREPARER : H. Langheim

II - HAZARDOUS INGREDIENTS

Chemical Name	CAS No. & %	Exposure Limits in Air (give units)		
		ACGH TLV	OSHA PEL	OTHER (specify)
	127087-87-0			
CAS Name: Polyoxy -1, 2 - Ethaneidyl, Alpha-4-Nonylphenol-Omega Hydroxy				

III- PHYSICAL PROPERTIES

VAPOR DENSITY (AIR = 1) : N/A

SPECIFIC GRAVITY : 1.05

SOLUBILITY IN WATER : Soluble

VAPOR PRESSURE, mmHg AT 20°C : N/A

APPEARANCE AND ODOR : Clear or slight yellow, bland odor

MELTING POINT OR RANGE, °F : N/A

BOILING POINT OR RANGE, °F : N/A

EVAPORATION RATE (BUTYLACETATE = 1) : N/A

DECOMPOSITION TEMPERATURE: : 482°F

pH 1% SOLUTION : Neutral

MOLECULAR WEIGHT : Average 616.0

CHEMICAL NAME : Atkylphenoxy Polyethoxy Ethanol

IV – FIRE AND EXPLOSION

FLASH POINT, °F (Give Method) :
 AUTO IGNITION TEMPERATURE °F :
 FLAMMABLE LIMITS IN AIR (Vol.%) : Lower (LEL) :
 Upper (UEL) :

FIRE EXTINGUISHING MATERIALS

water spray carbon dioxide _____ other
 foam _____ dry chemical

SPECIAL FIREFIGHTING PROCEDURE: None

UNUSUAL FIRE & EXPLOSION HAZARDS: None

V – HEALTH HAZARD INFORMATION

L.D. 50 : .N/A

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE:

INHALED : Not known, mist may cause chest discomfort and coughing.

CONTACT WITH SKIN OR EYES : Severe irritant.

ABSORBED THROUGH SKIN : Not known, may cause irritation.

SWALLOWED : May cause nausea, vomiting, and diarrhea.

FIRST AID (EMERGENCY) PRODEDURES:

EYE CONTACT : Immediately flush eyes with plenty of water for at least 15 minutes

SKIN CONTACT : Remove contaminated clothes, flush with fresh water

INHALED : If symptoms develop move to fresh air.

SWALLOWED : Give two glasses of water, induce vomiting and seek medical assistance.

SUSPECTED CANCER AGENT?

No This product's ingredients are not found in the list below.

Yes FEDERAL OSHA _____ NTP _____ IARC _____

(California employers using CAL-OSHA regulated carcinogens must register with CAL-OSHA. The CAL-OSHA and Federal OSHA carcinogen lists are similar).

VI – REACTIVITY DATA

STABILITY : Stable _____ Unstable

CONDITIONS TO AVOID : Fire

INCOMPATIBILITY

Material to avoid) : None

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS):

Carbon Monoxide and/or Carbon Dioxide

HAZARDOUS POLYMERIZATION: _____ May occur Will not occur

CONDITIONS TO AVOID : Avoid fire.

VII – SPILL, LEAK & DISPOSAL PROCEDURES:

SPILL RESPONSE PROCEDURE (Include employee protection measures):

Wear eye protection. Collect for disposal. Toxic to fish, avoid discharge to natural waters.

PREPARING WASTES FOR DISPOSAL (Container types, neutralization, etc.) :

Incinerate in furnace where permitted

VIII – SPECIAL HANDLING INFORMATION

VENTILATION & ENGINEERING CONTROLS: Good mechanical ventilation as dust level is sufficiently high.

RESPIRATORY PROTECTION (TYPE): Wear dust mask if excessive airborne dust is present

EYE PROTECTION (TYPE): Safety glasses or goggles – wear it if dust levels causes discomfort.

GLOVES (SPECIFIC MATERIAL): Rubber or plastic – to prevent irritation

OTHER CLOTHING & EQUIPMENT: Wear protective work gown if desired.

WORK PRACTICES, HYGIENIC PRACTICES: Keep away from open flame. Avoid contact with organics. Put into a dry place

PROTECTIVE MEASURES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:
Wear a dust protector and eye wear.

/ia
8/10/01