



MATERIAL SAFETY DATA SHEET

M.S.D.S.

I - PRODUCT IDENTIFICATION

TRADE NAME (as labeled) : GROW MORE N-90 SPREADER / ACTIVATOR

MANUFACTURER'S NAME : GROW MORE, INC.
15600 New Century Drive
Gardena, CA 90248-2140
Tel. (310) 515-1700
Fax (310) 515-4937

DATE PREPARED/REVISED April 26, 2004

NAME OF PREPARER H. Langheim

II - HAZARDOUS INGREDIENTS

<u>Chemical Name</u>	<u>CAS No & %</u>	<u>Exposure Limits in Air (give units)</u>		
		<u>ACGH TLV</u>	<u>OSHA PEL</u>	<u>OTHER (specify)</u>
NONYL PHENOL ETHOXYLATE 9016-45-9 90%		NON ESTABLISHED		
TRACES OF ETHYLENE OXIDE MAYBE PRESENT (SEE SECTION X)		1PPM (OSHA-TWA)		
ISOPROPYL ALCOHOL 67-63-0		400PPM		

III - PHYSICAL PROPERTIES

VAPOR DENSITY (AIR = 1) : N/A

SPECIFIC GRAVITY : 1,007

SOLUBILITY IN WATER : SOLUBLE

VAPOR PRESSURE (mmHg AT 20°C) : N/A

APPEARANCE AND ODOR : TRANSPARENT LIQUID, ALOHOL ORDER

MELTING POINT OR RANGE °F : NOT KNOWN

BOILING POINT OR RANGE °F : NOT KNOWN

EVAPORATION RATE (butylacetate = 1): NOT KNOWN

IV - FIRE AND EXPLOSION

FLASH POINT. °F (Give Method) : NOT KNOWN
AUTO IGNITION TEMPERATURE. °F : NOT KNOWN
FLAMMABLE LIMITS IN AIR. (Vol. %) : NOT KNOWN Lower (LEL): NOT KNOWN
Upper (UEL): NOT KNOWN

FIRE EXTINGUISHING MATERIALS :
 water spray carbon dioxide ___ other
 alcohol foam dry chemical

SPECIAL FIREFIGHTING PROCEDURE: MUST WEAR OSHA / NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS, COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

UNUSUAL FIRE & EXPLOSION HAZARDS: PRODUCTS OF COMBUSTION ARE TOXIC.

V - HEALTH HAZARD INFORMATION**SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE:**

INHALED : NOT KNOWN
CONTACT WITH EYES : CAUSES EYE AND SKIN IRRITATION.
ABSORBED THROUGH SKIN : N/A
SWALLOWED : Possible abdominal pain and nausea

FIRST AID (EMERGENCY) PROCEDURES:

EYE CONTACT : FLUSH EYES WITH WATER FOR A LEAST 15 MINUTES AND GET MEDICAL ATTENTION IMMEDIATELY.
SKIN CONTACT : WASH ALL AFFECTED AREAS WITH PLENTY OF WATER & SOAP FOR SEVERAL MINUTES. REMOVE & CLEAN CONTAMINATED CLOTHING & SHOES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.
INHALED : REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION OCCURS.
SWALLOWED : INDUCE VOMITING BY INSERTING FINGER IN THROAT. DRINK COPIOUS QUANTITIES OF WATER AND OBTAIN MEDICAL ATTENTION.

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 ; N/A

INCOMPATIBILITY
(Material to avoid) : None known to this time

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS):
THERMAL DECOMPOSITION MAY PRODUCE TOXIC FUMES OF OXIDES OF CARBON

HAZARDOUS POLYMERIZATION : May occur Will not occur

CONDITIONS TO AVOID : NOT KNOWN

VII – SPILL, LEAK & DISPOSAL PROCEDURES:

SPILL RESPONSE PROCEDURES (Include employee protection measures): Caution! Floors may become slippery. Wear appropriate protective equipment & MSHA/NIOSH approved respirator where mist or vapors of unknown concentration may be generated.

PREPARING WASTES FOR DISPOSAL (Container types, neutralization), etc.): Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid & solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water. Dispose of in compliance with all Federal, State and Local laws and regulations. Incineration is the preferred method

VIII – SPECIAL HANDLING INFORMATION

VENTILATION & ENGINEERING CONTROLS: Local exhaust.

RESPIRATORY PROTECTION (TYPE): Where mist or vapors are generated by the process, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental control.

EYE PROTECTION (TYPE): Wear chemical goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.

GLOVES (SPECIFIC MATERIAL): Rubber or neoprene, when needed, to prevent skin contact.

OTHER CLOTHING & EQUIPMENT: Eye wash, safety shower, protective clothing (long sleeves, coveralls or other appropriate clothing), when needed to prevent skin contact.

WORK PRACTICES, HYGIENIC PRACTICES: Use good housekeeping and hygienic practices such as washing hands with soap after handling.

OTHER HANDLING & STORAGE REQUIREMENTS: To maintain product quality, do not store in heat or direct sunlight.

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

X – MISCELLANEOUS INFORMATION:

NOTE: AS MENTIONED IN SECTION 2, ETHYLENE OXIDE (EO) MAY BE PRESENT IN THIS PRODUCT. EO COULD ACCUMULATE IN HEADSPACE AREAS OF STORAGE AND TRANSPORT VESSELS. THEREFORE, YOU SHOULD BE AWARE THAT EO IS A CANCER HAZARD & A REPRODUCTIVE HAZARD. REPEATED EXPOSURE TO EO MAY BE HARMFUL. THE TRACE AMOUNTS OF EO IN THE PRODUCT ARE NOT EXPECTED TO RESULT IN EITHER ACCUTE OR LONG-TERM HAZARD. OSHA REQUIRES A 1.0PPM 8-HOUR TWA FOR EO.