

Symbol of Quality

GROW MORE



World Headquarters

MATERIAL SAFETY DATA SHEET (M.S.D.S)

I. - PRODUCT INFORMATION

TRADENAME (As labeled) : GROW-VITE 16-4-2

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

DATE PREPARED/REVISED : January, 1992

NAME OF PREPARER : Candelario Betonio

II. - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS # AND %	EXPOSURE LIMITS IN AIR (give units)		
		ACGIH TLV	OSHA PEL	OTHERS (specify)
Manganese EDTA	7439965}			Oral LD ₅₀ Rat: 1750
Copper EDTA	7440508}	5 mg/m ³	5 mg/m ³	
Zinc EDTA	7440666}			

III. - PHYSICAL PROPERTIES

VAPOR DENSITY (air = 1) : N/A
PH OF 1% SOLUTION : N/A
SPECIFIC GRAVITY : Approx. 1.23
SOLUBILITY IN WATER : Approx. Soluble
APPEARANCE & ODOR : Yellowish odor, no odor

BOILING POINT OR RANGE °F : N/A
EVAPORATION RATE (butylacetate = 1) : 0
MELTING POINT OR RANGE °F : Not established

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IV. - FIRE AND EXPLOSION

FLASH POINT, °F (Give Method) : NON - FLAMMABLE
AUTO IGNITION TEMPERATURE °F : N/A
FLAMMABLE LIMITS IN AIR, (Vol. %) : N/A Lower (LEL): n/a
Upper (UEL): n/a
FIRE EXTINGUISHING MATERIALS :

WATER SPRAY CARBON DIOXIDE _____ OTHER
_____ FOAM _____ DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURE : Use abundant amount of water in early stages of fire.

UNUSUAL FIRE & EXPLOSION HAZARDS : When large quantities are involved in fire, solids may fuse or melt. In such conditions application of water may result in scattering of molten materials.

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

INHALED :

CONTACT WITH SKIN OR EYES : Prolonged skin contact may cause dermatitis. Will irritate eyes.

ABSORBED THROUGH SKIN : May be irritating to sensitive individuals

SWALLOWED : Nausea, diarrhea, diuresis, muscular debility,

****FIRST AID (EMERGENCY) PROCEDURES:**

EYE CONTACT : Wash thoroughly with water for at least 15 minutes. Seek medical assistance for persistent irritation.

SKIN CONTACT : Wash with soap and water.

INHALED :

SWALLOWED : Rinse mouth. Drink 2-3 glasses of water and seek medical assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

SUSPECTED CANCER AGENT?

No. This product's ingredients are not found in the lists 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 : Heating with sodium phosphite; dissolving with sodium hyposulfite. Long exposure to tin, solder, tin plate or stannates.

INCOMPATIBILITY
(Materials to avoid) : None known to this time.

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS):

HAZARDOUS POLYMERIZATION: May occur Will not occur

CONDITIONS TO AVOID : None

VII. - SPILL, LEAK & DISPOSAL PROCEDURES**SPILL RESPONSE PROCEDURE (Include employee protection measures):**

Mop up. Dilute with sufficient water. Add soda ash. Mix and neutralize with 6m HCL. Drain into the sewer with abundant water.

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

Add to large container of water. Add soda ash, slightly stirring. After 24 hours, decant or siphon into another container. Neutralize with 6m HCL and drain into the sewer with abundant water.

VIII - SPECIAL HANDLING INFORMATION

VENTILATION & ENGINEERING CONTROLS: Good mechanical ventilation is 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 level causes discomfort.

GLOVES (SPECIFY MATERIAL): Rubber or plastic - to prevent irritation.

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

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

OTHER HANDLING & STORAGE REQUIREMENTS: Keep away from open flame. Avoid contact with organics. Put into a dry place.

PROTECTIVE MEASURE DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

Wear a dust protector and eye wear.

/fst