MEDICAP MD - FERTILIZER IMPLANTS
MATERIAL SAFETY DATA SHEET

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NFPA HAZARD RATING

Health....: 0 Flammability ...: 0
Reactivity: 0 Special Hazard .: 0

SECTION I - GENERAL INFORMATION

Catalog Number.....: MD4X25 ; MD1210
Chemical Name & Syn.: Derived from inorganic fertilizer / nutrient sources.
Chemical Family ....: Inorganic Fertilizer
Formula .....: Ammoniacal & Nitrate Nitrogen, Phosphoric Acid, Soluble Potash, Ferric Am. Citrate, Manganese Sulfate, Zinc Sulfate.
DOT Shipping Name ..: Not required.
DOT Number .....: Not applicable.
CAS Number .....: Not required.

SECTION II - HAXARDOUS INGREDIENTS

Not more than 4% (by weight) of Soluble Iron Salts - TLV: Img(Fe)/M3

SECTION III - PHYSICAL DATA

Boiling Point (CO).....: NA
Melting Point (CO).....: NA
Specific Gravity (H20=1)....: 2.95
Vapor Pressure (mm Hg).....: NA
Percent Volatile by Vol (%).: NA
Vapor Density (Air=1).....: NA
Evaporation Rate (BuAc=1)...: NA
Solubility in Water (20O)...: Soluble; 96 g/100 ml
Appearance & Odor .....: Light reddish-brown powder - no specific oder.

SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point .....: NA
Auto Ignition Temperature...: NA
Flammable Limits LEL %.....: NA
Flammable Limits UEL %.....: NA
Extinguishing Media .....: CO2 foam or dry chemical.
Special Fire Fighting Proc. : Follow normal safety procedures.
Unusual Fire & Expl. Hazards: No unusual hazards have been experienced or reported.

NOTE: THE INFORMATION PROVIDED HEREIN REGARDING POTENTIAL HAZARDS OF USING OR STORING THIS PRODUCT WOULD BE APPLICABLE TO THE HANDLING OF THE CHEMICAL CONTAINED INSIDE THE ENCAPSULATED IMPLANT CARTRIDGE. UNDER NORMAL USE OF THE PRODUCT THERE SHOULD BE NO EXPOSURE OR CONTACT WITH THE ACTIVE INGREDIENT PER SE.

SECTION V - HEALTH HAZARD DATA

ACGIH Threshold Limit Value .....: Not Applicable
Symptoms of Exposure.....: Inorganic fertilizer are hardly absorbed by the digestive tract.
Medical Cond. Aggravated by Exp...: Not Applicable
Primary Route(s) of Entry.....: Ingestion, Inhalation, Skin contact.
Emergency First Aid.....: Skin: Flush thoroughly with water; wash with soap and water. Eyes: Flush with copious amounts of water for fifteen minutes; Get medical attention if respiratory failure occurs; give artificial respiration.

SECTION VI - REACTIVITY DATA

Stable.....: Yes
Conditions to Avoid.....: Fire or excess heat.
Incompatibility.....: Not Applicable.
Hazardous Polymerization.....: Will not occur.
Conditions to Avoid (Re: Polymeriz.): Not Applicable
Hazardous Decomposition Products..: SOX, NOX, FE+, ammonia gas

SECTION VII - ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response .....: Avoid breathing dust. Use appropriate respirator if contact is experienced with more then 10 lbs. of the contents of the encapsulated implants. Use gloves, goggles and lab coat. Wash area exposed with soap and water.
Waste Disposal Method.....: Dispose of in an approved landfill or send to a licensed treatment storage and disposal facility.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Eye Protection.....: Goggles – Not required when handling the encapsulated Implants
Skin Protection.....: Rubber gloves – Not required when handling the encapsulated Implants
Respiratory Protection.....: Approved respirator - Not required when handling the encapsulated Implants
Ventilation Recommended.....: If contents is exposed, provide adequate local exhaust (75-100 CFM)
Other Protection.....: Lab coat .. if exposed to more than 10 lbs of contents.

SECTION IX - SPECIAL PRECAUTIONS

Handling & Storage.....: Keep containers closed until ready for use. Reseal when not in use and if not totally used. Store in the general chemical and fertilizer storage area. Protect against physical damage. There is no need to “open” the encapsulated Implants.
Other Precautions.....: Per Section VII (above) .. when handling large quantities (i.e., more than 10 lbs. [or 5,000 Implants], be sure to wear protective equipment.
Prepared by.....: SMK

NA = Not Available