

MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION

PRODUCT IDENTIFIER **EARTHEART 18 - 0 - 9**
WATER SOLUBLE FERTILIZER
SECTION I PRE BLENDED MATERIALS

MANUFACTURER NAME **Dakota Minerals, Inc**
& ADDRESS **1150 Hillside Drive**
Rapid City, South Dakota
57703-4040

EMERGENCY PHONE NUMBER **1 - 800 - 232 - 2562**

PRODUCT USE **WATER SOLUBLE PLANT FOOD**

SECTION II
HAZARDOUS INGREDIENT / IDENTITY INFORMATION

COMPONENTS - (CHEMICAL IDENTITY ; COMMON NAME)
M.A.P. , PHOSPHATE , MONO - SALT CAS 7722-76-1 37.8%
COMPOUND OF NITRATE AND POTASSIUM SALTS, KNO_3

AMM. SULFATE ($(\text{NH}_4)_2\text{SO}_4$)

NH (NON - HAZARDOUS)

KELP/SEAWEED (Ascophyllum nodosum), FIBEROUS SEA PLANT
HUMIC ACIDS, HUMUS, LEONARDITE - .124 %

SECTION III
PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT : N/A SPECIFIC GRAVITY : 1.63

VAPOR PRESSURE (MM Hg) : N/A VAPOR DENSITY : N/D

MELTING POINT : GREATER THAN 1000 DEGREES C.

EVAPORATION RATE : N/D pH : 5.00 (10 % SOLUTION)

FREEZING POINT : N/A SOLUBILITY IN WATER : 1.01 g/ml

SECTION III CONTINUED - EARTHEART 18-0-9 PAGE 2 OF 3

APPEARANCE : SOLID WHITISH COLOR;BLACK;LIGHT BLUE/GREEN
YELLOW & BROWN CRYSTALLINE.

ODOR : PUNGENT MUSK / AMMONIA / SWEET
SIZE : 96 % THRU 80 MESH SIEVE

**SECTION IV
FIRE & EXPLOSION DATA**

FLASH POINT : N/A **FLAMMABLE LIMITS :** N/A **LEL :** N/A
EXTINGUISHING MEDIA : NON-FLAMMABLE **UEL :** N/A

SPECIAL FIRE FIGHTING PROCEDURES : DOES NOT BURN. WEAR SCBA AND FULL PROTECTIVE CLOTHING IF PRODUCT IS NEAR FIRE.

MAY RELEASE CARBON MONOXIDE; AMMONIA; CARBON DIOXIDE; THE OXIDES OF NITROGEN, PHOSPHOROUS, CITRATE OR SULFUR DIOXIDE WHEN DECOMPOSED NEAR COMBUSTION .

UNUSUAL FIRE & EXPLOSION HAZARDS : NONE

**SECTION V
REACTIVITY DATA**

STABILITY : STABLE WHEN DRY **UNSTABLE :** N/A

CONDITIONS TO AVOID : WET OR MOIST - HIGH HEAT

INCOMPATIBILITY : STRONG ACIDS - STRONG ALKALIS - PESTICIDES

HAZARDOUS POLYMERIZATION : CONDITIONS TO AVOID - N/A

**SECTION VI
HEALTH HAZARD/TOXICOLOGICAL**

ROUTE(S) OF ENTRY : INHALATION

LOW VAPOR ACTIVITY : IF HEATED COULD RELEASE GASSES

SKIN : ABSORPTION UNKNOWN

INGESTION : EXCESSIVE DOSES WOULD CAUSE G.I. IRRITATION

SECTION VI CONTINUED - EARTHEART 18-0-9 PAGE 3 OF 3

CARCINOGENICITY/NTP/IARC MONOGRAPHS/OSHA REGS. :
NONE KNOWN AS PROBABLE

REPRODUCTION EFFECTS / MUTAGENICITY : NONE KNOWN

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE : NONE

EMERGENCY AND FIRST AID PROCEDURES :

**SKIN CONTACT : PROLONGED EXPOSURE COULD CAUSE IRRITATION
EYE CONTACT : DUST IRRITATION COULD OCCUR FLUSH WITH WATER**

**SECTION VII
PRECAUTIONS FOR SAFE HANDLING AND USE**

**D.O.T. CLASS 50 OR NOT REGULATED
PROCEDURE FOR LEAK OR SPILL : SWEEP OR CONTAIN SPILLED
MATERIAL; HOSE OR SPRAY;
SOLUBLE IN WATER
WASTE DISPOSAL METHOD : DISPOSE IN ACCORDANCE WITH STATE
AND FEDERAL REGULATIONS - READILY
SOLUBLE IN WATER
STORAGE AND HANDLING PRECAUTIONS : KEEP OUT OF REACH OF
CHILDREN ; STORE IN A COOL DRY PLACE ;
AVOID PROLONGED PERSONAL CONTACT
OTHER PRECAUTIONS : USE STANDARD HYGIENE PRACTICES**

**SECTION VIII
CONTROL MEASURES**

**RESPIRATORY PROTECTION : DUST MASK OR RESPIRATOR FOR
PROLONGED CONTACT
VENTILATION : LOCAL AND MECHANICAL AS REQUIRED FOR DUST
SPECIAL : N/A PROTECTIVE GLOVES : N/A
EYE PROTECTION : GOGGLES FOR EXTREME DUST CONDITIONS
OTHER PROTECTIVE CLOTHING OR EQUIPMENT : N/A
WORK / HYGIENIC PRACTICES : STANDARD HYGIENE PRACTICES**

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