

MATERIAL SAFETY DATA SHEET

PRODUCT INFORMATION

PRODUCT IDENTIFIER

EARTHEART Lawn & Turf 28-3-3
WATER SOLUBLE FERTILIZER

SECTION I

PRE BLENDED MATERIALS

MANUFACTURER NAME
& ADDRESS

Dakota Minerals, Inc.
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 -

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**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 Lawn & Turf 28-3-3 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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