

MATERIAL SAFETY DATA SHEET

719750
719755
719756

I. PRODUCT IDENTIFICATION

MANUFACTURER'S NAME made by
The BIOAG Corporation .
EMERGENCY TELE. NO. 503-838-2467

TELE. NO. 503-838-2467

ADDRESS Carson City, Nevada

TRADE NAME **TM-7™**

SYNONYMS Potassium Humate classification # 2702.10.0000

II. INGREDIENTS

MATERIAL OR COMPONENT: Humates and Micronutrients

DOT SHIPPING AND HAZARD CLASSIFICATION: n/a

Composed of Ancient Humus deposits from fresh water cretaceous deposits.

Analysis:

Humic acids soluble 50%
total minerals 20%
organic matter 75%

Non-hazardous. Keep dust below OSHA
of 15 mg/m³.

Soluble Potash (K₂O).....3.7%
Sulfur (S)5%
Boron (B)0.37%
Cobalt (Co)0.05
Copper (Cu)0.31%
Iron (Fe)1.2%
Manganese (Mn)1.2%
Molybdenum (Mo).....0.1%
Zinc (Zn)1%

Max moisture 10%

Ph 8-9

III. PHYSICAL DATA

Ph 8-9 MELTING POINT: n/a
SPECIFIC GRAVITY: VAPOR PRESSURE: n/a
VAPOR DENSITY (AIR=1) n/a SOLUBILITY IN H₂O: 97%
% VOLATILES BY VOL. not known BULK DENSITY
APPEARANCE AND ODOR Dark black particles & powder. No odor.

IV. FIRE AND EXPLOSION DATA

FLASH POINT AUTOMATION
CLEVELAND CUP METHOD >440F TEMPERATURE
n/a

FLAMMABLE LIMITS IN AIR, % BY VOLUME: LOWER: n/a UPPER: n/a

EXTINGUISHING MEDIA: water, foam, CO₂

SPECIAL FIRE FIGHTING PROCEDURES none

UNUSUAL FIRE AND EXPLOSION HAZARDS none

V. HEALTH HAZARD INFORMATION

A. SYMPTOMS OF OVEREXPOSURE

INHALATION: Can cause irritation to mucus membranes and respiratory passages. Non-systemic.

SKIN CONTACT: None known.

SKIN ABSORPTION: None known.

EYE CONTACT: Potential mild irritation.

INGESTION: None known. The LD₅₀ in acute oral toxicity studies is greater than 6,000 mg/kg. Large quantities can cause gastrointestinal irritation.

B. EFFECTS OF OVEREXPOSURE

ACUTE OVEREXPOSURE: Expected toxicity hazard none to slight.

CHRONIC OVEREXPOSURE: Expected toxicity hazard none to slight.

C. EMERGENCY AND FIRST AID PROCEDURES

EYE: Flush with water.

SKIN: Flush with water.

INHALATION: If discomfort ensues, seek medical attention.

INGESTION: Due to the presence of iron salts, call a physician if large quantities are ingested.

D. SUSPECTED CANCER AGENT?

X NO

This product's ingredients are not found in the lists below.

YES Federal OSHA NTP IARC TX/OSHA

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

NOTES TO PHYSICIAN: Minimum iron content is 1.2%

VI. REACTIVITY DATA

STABILITY: Stable under normal warehouse

INCOMPATIBILITY (materials to avoid) solutions with Ph below 3,

HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS None known

HAZARDOUS POLYMERIZATION Will not occur.

VII. SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

RELEASED OR SPILLED: Sweep up. Wash with water. Non-toxic. Non-corrosive.

NEUTRALIZATION CHEMICALS: n/a

WASTE DISPOSAL METHODS Follow all applicable federal, state and local regulations.

VIII. SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: Provide local or general ventilation to keep dust below OSHA nuisance limit of 15 mg/m³.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY (SPECIFY IN DETAIL): NIOSH/MSHA approved respirator
EYE: Safety goggles
GLOVES: None required
OTHER CLOTHING AND EQUIPMENT: None required

IX. SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS Do not breathe dust. Avoid contact with eyes.

OTHER HANDLING AND STORAGE EQUIPMENT Store in a dry area. Keep out of reach of children.

PREPARED BY FAUST BIO-AGRICULTURAL SERVICES, INC. Dr. Robert H. Faust president.

ADDRESS 6080 Wigrich Rd. Independence, Or. 97351



certified true by _____ DATE:6/3/1998

All information, recommendations and suggestions appearing herein concerning this product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of this product. Since the actual use by others is beyond our control, we make no guarantee, expressed or implied, as to the effects of such use, the results to be obtained, or the safety and toxicity of the product. This information is not to be construed as absolutely complete, since additional information may be necessary or desirable when exceptional conditions or circumstances exist or because of applicable laws or government regulations.