At the present time there is no Material Safety Data Sheet available for Banminth 4.8. The following Safety Sheets apply to the ingredients of this product:

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>COMPAS CODE</th>
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</thead>
<tbody>
<tr>
<td>Banminth 48 from Pfizer</td>
<td>12830120</td>
</tr>
<tr>
<td>Ground Rice Hulls with Mineral Oil from ADM</td>
<td>39810010</td>
</tr>
<tr>
<td>A101 Solulac from Grain Processing</td>
<td>24970030</td>
</tr>
<tr>
<td>Britol 6T from Petroleum Specialties</td>
<td>14880100</td>
</tr>
</tbody>
</table>

For more information contact the manufacturer of Banminth 4.8:
INTERNATIONAL NUTRITION
7706 "I" PLAZA
P.O. BOX 27540
OMAHA, NEBRASKA 68127 USA
TELEPHONE: 402-331-0123
TELEFAX: 402-331-0169

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COMPAS Code: 29330040
MANUFACTURER: PFIZER ANIMAL HEALTH DIVISION
1107 SOUTH 291 HIGHWAY
LEE'S SUMMIT, MISSOURI 64081
PHONE: (816) 524-5580
PRODUCT NAME: Banminth 48 (Y907005H)
DATE: January 1991
MATERIAL SAFETY DATA SHEET (MSDS) NO.: 001

DESCRIPTION

Uniform off-white meal with an alum odor. Insoluble in water. Banminth 48 contains 48 grams per pound. The chemical name for pyrantel tartrate is 1,4,5,6-tetrahydro-1-methyl-2-[2-(2-thienyl)ethenyl] pyrimidine tartrate.

PHYSICAL HAZARD DATA

All organic dust can be explosive under certain conditions. Use water or a dry chemical fire extinguisher when fighting a fire where these materials are located. If the fire is too large to extinguish in a short amount of time, use a self-contained breathing apparatus and full personal protective clothing.

HEALTH HAZARD DATA

Neither OSHA nor ACGIH exposure limits have been established for these materials or their active drug ingredients. NOT FOR HUMAN CONSUMPTION. These materials or their active drug ingredient are not carcinogens or potential carcinogens according to NTP, IARC or OSHA. The most likely routes of entry into the human body are through ingestion, inhalation of dusts or skin absorption. Short-term inhalation of dust from these products may cause allergic reaction. Information regarding the effects of long-term exposure to these materials is not available. The potential effects of overexposure can be avoided by the use of proper protective equipment and approved dust respirators.

EMERGENCY AND FIRST AID PROCEDURES

If these materials get into your eyes, flush them immediately with large amounts of tap water for at least 15 minutes, lifting the lower and upper lids from time to time. If these materials get on your skin, wash with soap and water. Severely contaminated clothing should be removed and washed or discarded. If a person is exposed to excessive quantities of dust because of equipment malfunction or other mishaps, move the person to fresh air immediately. If breathing has stopped, initiate artificial respiration. Keep the affected person warm and at rest. Do not administer any substance into the mouth of an unconscious person. Obtain Immediate Medical Attention if these materials are swallowed, get into your eyes or if excessive quantities.

PRECAUTIONS FOR SAFE HANDLING AND USE

Recover spills by wet sweeping. Wear all recommended safety equipment to avoid skin or eye contact or inhalation. Dispose of in accordance with all applicable federal, state and local regulations. Department of Transportation (DOT) regulations may apply when transporting this material.

CONTROL MEASURES

Avoid unnecessary exposure. Persons exposed to these materials should take steps to avoid skin or eye contact, swallowing or inhalation of product. Wear an approved dust respirator, depending upon the concentration of dust in the work atmosphere. A qualified dealer should be consulted to determine the type of respirator required. Adequate ventilation to reduce exposure below a total dust TLV of 10 mg/m3 is recommended. Safety goggles, protective gloves and disposable overgarments may also be worn, if necessary, to reduce exposure. After handling material, wash thoroughly before leaving work or eating food.

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COMPAS Code: 12830120

CONTACT: Pfizer Animal Health Division, 1107 South 291 Highway, Lee's Summit, Missouri 64081, phone (816) 524-5580. For transportation emergencies telephone CHEMTREC, (800) 424-9300.

This MSDS is based on limited review of Pfizer's files, standard toxicology handbooks, and published MSDSs on identical or related materials. The information in this MSDS is furnished without warranty of any kind. The determination of whether and under what conditions this material should be used by your employees is yours to make.
IDENTITY (As Used on Label and List): Ground Rice Hulls with Mineral Oil

SECTION I

MANUFACTURER'S NAME: ADM MILLING CO
4550 WEST 109TH ST. - SUITE 100
SHAWNEE MISSION, KANSAS 66211

TELEPHONE NUMBER FOR INFORMATION:

DATE PREPARED: 19 October 1988

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components

(Other Limits)

Name(s) OSHA PEL ACGIH TLV Recommended %
Grain Dust (nuisance) 15 mg/m3 10 mg/m3 (total 99 dust)
Grain Dust (nuisance) 5 mg/m3 (Respirable dust)
Mineral Oil 200 ppm* 1

*Recommended by manufacturer.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS SEE COMMENTS UNDER SECTION VII

BOILING POINT: 254-329
VAPOR PRESSURE (mm Hg.): 0.15
VAPOR DENSITY (AIR = 1): Greater than 5
SPECIFIC GRAVITY (H2O = 1): Not tested
MELTING POINT: Not tested
EVAPORATION RATE (Butyl Acetate = 1): Not tested
SOLUBILITY IN WATER: Not water soluble
APPEARANCE AND ODOR: Light brown powder with mild odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 115 deg C (TCC)
FLAMMABLE LIMIT: 1% - 7%
LEL: Not Tested
UEL: Not Tested

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical or water spray

SPECIAL FIRE FIGHTING PROCEDURES: Do not use direct nozzle stream as dust can be dispersed into air. Dust dispersed by water stream in the presence of an ignition source could cause an explosion.

UNUSUAL FIRE AND EXPLOSION HAZARDS: If improperly handled, stored, and/or exposed to an ignition source, this material may burn. Airborne dust in sufficient concentrations when combined and exposed to a sufficient ignition source can explode.

SECTION V - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: No known conditions to avoid

INCOMPATIBILITY (Materials to Avoid): Strong oxidizers such as chlorine, pure oxygen, hypochlorides

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Fumes, smoke, carbon monoxide and carbon dioxide

HAZARDOUS POLYMERIZATION OR BYPRODUCTS: Will Not Occur

CONDITIONS TO AVOID: No known hazardous polymerization occurs

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION? Yes
SKIN? No
INGESTION? No

HEALTH HAZARDS (Acute and Chronic): Excessive inhalation may affect the respiratory system. Smokers have an increased risk to respiratory effect. Contact may cause irritation to eyes.

CARCINOGENICITY: None

NTP? No
IARC MONOGRAPHS? No
OSHA REGULATED? No

SIGNS AND SYMPTOMS OF EXPOSURE: Some persons may occasionally experience airway irritation and coughing.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Allergies and respiratory ailments

EMERGENCY AND FIRST AID PROCEDURES: Remove from exposure. Seek medical attention if needed. Flush eyes with water.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WASTE DISPOSAL METHOD: According to Federal, State, and local regulations

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Maintain dry storage, avoid dispersion in air, and avoid exposure to potential ignition sources.

COMMENTS: The combined product has not been tested.

Physical data listed in Section III has been provided for the mineral oil added to the rice hulls

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type): Approved dust mask or respirator

VENTILATION:

LOCAL EXHAUST: If needed
MECHANICAL (General): If needed

SPECIAL: N/A

OTHER: N/A

PROTECTIVE GLOVES: Chemical gloves recommended

EYE PROTECTION: Goggles as needed

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK/HYGIENIC PRACTICES: Remove from skin by washing with soap and water.

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COMPS Code: 39810010
DATE PREPARED: 07/31/95

SECTION I

PRODUCT NAME: A101 Solulac(R)
CHEMICAL NAME: Distillers Dry Grains with Solubles
FORMULA: "Mixture" - Proteins, carbohydrates, fibers
MANUFACTURER: GRAIN PROCESSING CORPORATION
P.O. BOX 349
1600 OREGON STREET
MUSCATINE, IOWA 52761
FOR INFORMATION ON HEALTH HAZARDS CALL: 319-264-4304
FOR OTHER INFORMATION CALL: 319-264-4265

SECTION II - HAZARDOUS INGREDIENTS OF MIXTURES

Component(s):
Principal Hazardous % by OSHA ACGIH
Distillers Dry Grains 88 Nuisance Nuisance

SECTION III - PHYSICAL DATA

BOILING POINT (DEG F): Not applicable
VAPOR PRESSURE (mm Hg): Not applicable
VAPOR DENSITY (Air=1): Not applicable
SPECIFIC GRAVITY (H2O=1): Not applicable
VOLATILES (% by WT.): 9-12 (moisture)
EVAPORATION RATE (n-butyl acetate=1): Not applicable
SOLUBILITY IN WATER: Not applicable
APPEARANCE AND ODOR: Typical = brown powder

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): Not applicable
FLAMMABLE LIMITS: Not applicable
EXTINGUISHING MEDIA: Water - Chemical - CO2
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust/air mixtures may be explosive. Avoid open lights, flames, welding, torching, and procedures which could cause a dust cloud to form in areas of dry product.

SECTION V - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:
INHALATION: As dust.
INGESTION: Unlikely; should pose no hazard.
CARCINOGENICITY:
NTP: No
IARC: No
OSHA: No

THRESHOLD LIMIT VALUE: See Section II
EFFECTS OF OVEREXPOSURE: None
EMERGENCY AND FIRST AID PROCEDURES: None required

SECTION VI - REACTIVITY DATA

CONDITIONS TO AVOID: Do not allow dust to accumulate

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Conventional cleanup; avoid production of dust

WASTE DISPOSAL METHOD: Conventional

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use appropriate NIOSH/MSHA approved respirator
VENTILATION: Local exhaust
EYE PROTECTION: None; safety glasses are recommended
WORK/HYGIENE PRACTICES: Good manufacturing practices
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

SECTION IX - SPECIAL PRECAUTIONS

OTHER PRETECTIVE CLOTHING OR EQUIPMENT: None

SECTION X - TRANSPORTATION

DEPARTMENT OF TRANSPORTATION - CLASSIFICATION: Not applicable
DEPARTMENT OF TRANSPORTATION - IDENTIFICATION NUMBER: Not applicable

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

GPC-MDS 7-95
A101

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COMPAS Code: 24970030
PRODUCT NAME: Britol 6T
PRODUCT CODE: 16-0133-03
DATE: 12/04/92
CAS #: 008042-47-5
FORMULA: 100% Paraffinic Mineral Oil
CHEMICAL FAMILY: UNK
CHEMICAL NAME AND SYNONYMS: Britol 6T Technical Mineral Oil
SUPPLIERS NAME: Harcros Chemicals
5200 SPEAKER RD
KANSAS CITY, KS 66106
SUPPLIERS PHONE NUMBER: 913-321-3131
TRANSPORTATION EMERGENCY PHONE NUMBER: 1-800-424-9300
S.A.R.A. INFORMATION: This product is exempt from reporting under current laws.

SECTION I  HAZARDOUS INGREDIENTS

Ingredient                  Percent     TLV
Mineral Oil                *TWA 5 mg/m(3)
                        STEL 10 mg/m(3) ACGIH
                        *PEL 5 mg/m(3) OSHA
* As oil mist

SECTION II  HEALTH HAZARDS

THRESHOLD LIMIT VALUE: See Section I

POTENTIAL EFFECTS OF EXPOSURE
(listed by primary routes of entry):
EYES: Minimally irritating.
SKIN: Minimally irritating.
INHALATION: Minimally irritating.
INGESTION: Minimally irritating.

FIRST AID:
EYES: Flush eyes with water for 15 minutes. Hold eyelids apart to ensure flushing of the entire eye surface.
SKIN: Wash with soap and water. Remove and clean contaminated clothing before reuse.
INHALATION: Remove to fresh air.
INGESTION: Vomiting may be induced. Keep head below hips to prevent aspiration.

OTHER INFORMATION: None

SECTION III  SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Concentration in air determines protection needed. Use only NIOSH certified respirators.
VENTILATION REQUIRED: As needed to comply with exposure limit.

PROTECTIVE CLOTHING:
EYES: Safety glasses or face shield.
SKIN: Gloves made of impervious material. Product is nonirritating.

ADDITIONAL PROTECTIVE MEASURES: None normally needed.

SECTION IV  FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method): 340 deg. F min. (CC)
FLAMMABLE LIMITS (% Volume in Air):
UPPER: N/A
LOWER: N/A
EXTINGUISHING MEDIA: Water Fog; Chemical Foam; Dry Chemical; Carbon Dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing gear when fighting fire in confined space.
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION V  PHYSICAL DATA

BOILING POINT: 630 deg. F
MELTING POINT: N/A
SPECIFIC GRAVITY (H2O = 1): 0.844 @ 25 deg C.
VAPOR PRESSURE (MM HG.): <0.001
VAPOR DENSITY (AIR = 1): >16
EVAPORATION RATE (n-BUTYL ACETATE = 1): 1000 x slower
SOLUBILITY IN WATER: Nil
PERCENT VOLATILE BY VOLUME: Nil
pH: UNK

SECTION VI  REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Open flame
INCOMPATIBILITY: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and asphyxiants.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII  SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Contain spill, advise EPA; state agency if required.

SECTION VIII  D.O.T. SHIPPING INFORMATION

PROPER SHIPPING NAME: None
HAZARD CLASS: None
ID NUMBER: None
LABEL REQUIREMENTS: None
REPORTABLE QUANTITY: None
OTHER INFORMATION: None

SECTION IX  ADDITIONAL INFORMATION

Thus information may be of importance to you:
STORAGE & HANDLING: NFPA class III B Storage. Wash thoroughly after handling.
MISCELLANEOUS INFORMATION: This material is not carcinogenic as established by National Toxicology Program, International Agency for Research on Cancer or OSHA Reg. 29 CFR 1910 subpart Z.

Page Avenue and Orient Way
Lyndhurst, N.J. 07071
EMERGENCY PHONE: (201) 935-8170/(201) 826-0140

NAME: Gene Turner
DATE ISSUED: 01/02/1986
DATE REVISED: 09/25/1989
< = LESS THAN
> = MORE THAN
N/A = NOT APPLICABLE
N/D = NOT DETERMINED
N/E = NOT ESTABLISHED
UNK = UNKNOWN
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COMPAS Code: 14880100