CHR HANSEN

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MATERIAL SAFETY DATA

Issue date: January 16, 1998
Supersedes: September 1, 1987

Emergency (CHEMTREC) phone no: 1-800-424-9300

Section 1 - Identification

Product or trade name:	**PROBIOS - Feed Granules**
Product code no:	73136, 73527 - (6 x 5lb jars)
	73135 - 50 lb bag
	73157 - 454R 50 lb bag
FEMA no:	Not Applicable
CAS no:	Not Applicable
Chemical name:	Not Applicable
Chemical characterization:	Blend of microorganisms, calcium carbonate, sodium silico aluminate
Formula:	Not Applicable
Molecular weight:	Not Applicable

Section 2 - Hazardous Ingredients

Principal hazardous components:	Nuisance Dust
%:	Not Established
Threshold Limit Values (TLV):	Not Established
OSHA Permissible Exposure Limit (PEL):	Not Established
Other	Not Established

Section 3 - Physical Properties

Boiling points (°F):	Not Applicable
Specific gravity (H2O = 1):	2.0
Vapor pressure (mm mg):	Not Applicable
Vapor density (air = 1):	Not Applicable
Solubility in water:	Not soluble
Percent volatile (by weight):	Not Applicable
Evaporation rate (butyl acetate = 1):	Not Applicable
Viscosity:	Not Applicable
pH:	10.4 (in 10% solution)
Appearance and odor:	Gray, no odor
Melting point (EF):	Not Applicable

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Section 4 - Fire and Explosion Hazard Data

Flash point:	Not applicable; compatible with water
Auto ignition temperature:	Not Applicable
Stability:	Stable
Method used:	Not Applicable
Extinguishing media:	Foam, CO_2, Dry Chemical, Water, Fog
OSHA Classification:	Not Applicable
Special fire fighting procedure:	Non-hazardous
Unusual fire and explosion hazards:	Non-hazardous
Flammable limits in air, volume %:	**Lower limit:** Not Applicable
	Upper limit: Not Applicable
HMIS rating:	**Health:** Not Applicable
	Flammability: Not Applicable
	Reactivity: Not Applicable

Section 5 - Reactivity Data

Stability:	**Stable:** ☒	**Unstable:** ☐
Hazardous polymerization:	**May occur:** ☐	**Will not occur:** ☒
Hazardous decomposition products:	Non-hazardous	
Conditions to avoid:	Not Applicable	
Incompatibility (materials to avoid):	Not Applicable	

Section 6- Health Hazards

Acute effects (primary routes of entry):	
Swallowed:	5g/kg, may cause drying of mucous membranes of throat
Eye contact:	May cause drying of mucous membranes of eyes
Skin contact:	Mildly irritating
Inhalation	5mg/m^3, may cause drying of mucous membranes of nose.
Chronic effects:	Not Applicable
Medical conditions aggravated by exposure:	Persons with breathing problems or lung disease should not work in dusty areas.
Symptoms of exposure:	Repeated inhalation of microbial dust by susceptible individuals may result in allergenic sensitization.

Chemical listed as carcinogen or potential carcinogen:	**Yes** ☐	**No** ☒
National Toxicology program:	**Yes** ☐	**No** ☒
I.A.R.C. monographs:	**Yes** ☐	**No** ☒
OSHA:	**Yes** ☐	**No** ☒

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Section 7 - Emergency and First Aid Procedures

Swallowed:	Dilute with water. Vomiting may be induced if necessary. Consult a physician.
Skin:	Wash affected skin areas with soap and water.
Eyes:	Flush eyes with large amounts of water for 15 minutes. Consult a physician.
Inhaled:	Remove person to fresh air.

Section 8 - Special Protection Information

Respiratory protection:	None required under normal conditions of use. OSHA/NIOSH approved dust/mist filter respirator recommended under conditions that will generate dust.
Ventilation:	Mechanical dilution.
Skin protection:	Rubber/polyethylene protective gloves and long sleeves.
Eye protection:	Tight-fitting safety goggles.
Other protective equipment:	Clothing protective of exposed skin.

Section 9 - Spill, Leak and Disposal Procedures

Steps to be taken in case material is released or spilled:	Spillage should be vacuumed up or moistened with water and placed in closed plastic bags for disposal.
Waste disposal methods:	Landfill the collected material in closed containers in accordance with applicable state, federal and local regulations.
Special precautions:	Wear respiratory protection when dust exposure is high.

Section 10 - Handling and Storage Procedures

Protective measures during repair of contaminated equipment:	Wear respiratory protection when dust exposure is high.
Hygienic practices for handling:	Not applicable.
Other:	Store in a cool, dry area for maximum stability. Containers should be moisture proof.

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