1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product Name: MUNICIPAL ACTIVATED SLUDGE
Reference Number: BCP50
Manufacturer: Bionetix International
21 040 rue Daoust, Sainte-Anne-de-Bellevue, QC, Canada H9X 4C7
Tel.: 514.457.2914
E-mail Address: info@bionetix.ca
Intended Use: Municipal activated sludge
Date of MSDS: 2008-07-15
Emergency Tel.: CANUTEC : 613.996.6666

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS NUMBER</th>
<th>CONTENTS (%) by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viable Bacterial Cultures</td>
<td>N/A</td>
<td>5</td>
</tr>
<tr>
<td>Wheat Bran</td>
<td>116469-86-4</td>
<td>20 - 30</td>
</tr>
<tr>
<td>Corn</td>
<td>N/A</td>
<td>20 - 30</td>
</tr>
<tr>
<td>Kelp</td>
<td>N/A</td>
<td>15 - 25</td>
</tr>
</tbody>
</table>

All components appear on the TSCA inventory. Components not listed are either non-hazardous or in concentrations of less than 1%.

3. HAZARD IDENTIFICATION

May cause eye or mild skin irritation.

4. FIRST AID MEASURES

Eye Contact: Rinse eyes with water for at 15 min. If irritation persists, consult a physician.
Skin Contact: Wash the product off the skin with soap and water. If irritation develops, seek the care of a physician.
Inhalation: Move person to the fresh air and avoid breathing dust from the product. If breathing problems develop, seek the care of a physician.
Ingestion: Do not induce vomiting. If victim is choking, clear airway and seek medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, carbon dioxide or dry chemical
Fire and Explosion Hazard: None known
Special Fire-fighting Procedures: None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment.
Spills and Leaks: Contain and collect material avoiding generating dust. Place in proper container for reuse or disposal. Wash spill site with water.
Environmental Protection: Dispose of material according to pollution control authorities.
7. HANDLING AND STORAGE

Handling: No danger from handling packaged materials. Ensure packed containers remain closed when not in use. Always wash hands with soap and water before handling food or smoking. Use good chemical hygiene practices when working with any chemical.

Storage: Store in a location away from children, food items, and potable water. Store in an area out of direct sunlight, keep container closed when not in use. Avoid storing in a damp environment.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Gloves: Recommended. Disposable nitrite exam gloves are suitable for preventing prolonged contact with the skin.

Respiratory Protection: Use a NIOSH approved dusk mask to control nuisance dust.

Eye Protection: Safety glasses with side shields are recommended.

Other Protective Clothing: None required, avoid prolonged skin contact with soiled clothing.

Engineering Controls: Local exhaust should be sufficient. Avoid creating dust from the product. If used in a manner to create dust, mechanical ventilation may be necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Tan free-flowing grain-like substance

Odor: Earthy

Physical State: Powder

pH: 6.0 – 8.5

Vapor Pressure: No data

Vapor Density: No data

Boiling Point: No data

Freezing/Melting Point: No data

Bulk Density: Approximately 0.5 – 0.61 g/cm³

Evaporation Rate: Not available

Partition Coefficient: Not available

Odor Limit: Not available

Viscosity: Not available

Solubility in water: Minimal

10. STABILITY AND REACTIVITY

Stability: Stable under normal storage and handling conditions.

Hazardous Decomposition Products: Not known

Reactivity: Strong acid or alkali compounds may inactivate biological cultures.

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Eye contact, ingestion, inhalation, skin contact.

Toxicity for Animals: NA

Acute Effects: This product may cause eye irritation. Could cause mild skin irritation after prolonged contact. Inhaling dust from this product could cause irritation to the lungs and mucus membranes. Persons with respiratory problems should avoid breathing dust from this product. Ingestion of this product could cause irritation to the mouth and throat or cause choking.

Toxicological Effects: Low acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and may result in nausea and diarrhea. May cause mild mechanical irritation to eyes, skin and mucous membranes.

Supplemental Health Information: The IARC classifies respirable silica as a (group 1) carcinogen. The NTP indicates that crystalline silica is reasonably anticipated to be a (group 2) carcinogen.

12. ECOLOGICAL INFORMATION

Environmental Effects: Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring soil type organisms. The carriers are naturally occurring materials.

Mobility: Disperses in water

Degradability: Contents are biodegradable.

Bio-accumulative: Not likely

Properties: Not known
13. DISPOSAL CONSIDERATIONS

Substance: Contain and collect material, place in a proper storage container for reuse or disposal. Dispose of materials in accordance with local regulations.

Container: As substance.

14. TRANSPORT INFORMATION

Not regulated for transport

UN Number: Not applicable
Primary Hazard: Not applicable
Packing Group: Not applicable
H.I. Number: Not applicable
Proper Shipping Name: Not applicable

Class: Not applicable
Subsidiary Hazard: Not applicable
Emergency Action Code: Not applicable
Marine Pollutant: Not applicable

15. REGULATORY INFORMATION

Hazard Symbols: Not applicable
Risk Phrases: Not applicable
Safety Phrases: Not applicable
National Regulations: Not applicable

The information contained in this data sheet does not constitute an assessment of workplace risks.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

The product formulation contains a range of naturally occurring plant extracts which are known to be non-pathogenic to man or animals.

Further details may be available upon request from your local BIONETIX distribution site.

Notice to reader:
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