

BIO-PURGE BD-2000
MATERIAL SAFETY DATA SHEET

1. HAZARDOUS INGREDIENTS

| NAME | #CAS | DL50 | CL50 | CONC. |
|--------------|---------|---------------|---------------|----------|
| Citric acid | 77-92-9 | Not available | Not available | 0.5-1.5% |
| Benzoic acid | 65-85-0 | Not available | Not available | 0.5-1.5% |

2. PREPARATION INFORMATION

MSDS prepared by: Chemical Products Department
ANJOU TECHNOLOGIES INC.
Telephone: 1.800.265.7160
Date of preparation of the MSDS: July 14 2003

3. PRODUCT INFORMATION

Supplier: ANJOU TECHNOLOGIES INC.
318 Ch. Chambly
Marieville (Qc), Canada, J3R 4V9
Emergency telephone: 1.800.265.7160
Product name: BIO-PURGE BD-2000
Product use: Bio-Film control in water system.

4. PHYSICAL DATA

Physical state: Liquid
Appearance: Transparent
Odour: Not applicable
Specific gravity: 1.02
Vapour pressure: Not available
Vapour density: Not available
Evaporation rate: Not available
Boiling point: 101 °C, 214 °F
Freezing point: -2°C, 28 °F
pH: 4.6

5. FIRE AND EXPLOSION HAZARD DATA

Flammability: Non-combustible product.
Extinguishing media: If in presence of flames: use carbon dioxide; foam; dry chemical agents.
Flash point: Not applicable
Auto-ignition: Not applicable
Flammable limits: Not applicable
Unusual fire and explosive hazard products: Not available
Mechanical impact and static discharge: Not available

6. REACTIVITY DATA

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|--|--|
| Stability: | Yes |
| Freeze-Thaw stability: | Yes |
| Incompatibility: | Treat as an acid. Avoid contact with strong bases. |
| Conditions of reactivity: | Not available |
| Hazardous decomposition products: | At temperatures over 288 °C (550 °F) ingredients will decompose generating oxides of sulfur. |

7. TOXICOLOGICAL PROPERTIES

| | | | |
|------------------------|-------------------|----------------------|------------------|
| Route of entry: | Skin contact: Yes | Skin absorption: Yes | Eye contact: Yes |
| | Inhalation: No | Ingestion: Yes | |

EFFECTS IN CASE OF OVEREXPOSURE

| | |
|--------------------|---|
| Inhalation: | Not available |
| Skin: | Slight irritant |
| Eyes: | Slight to severe irritant |
| Ingestion: | Large doses may cause vomiting, nausea and extremely rare cases of Acidosis or Hypocalcemic Tetany. |

CHRONIC EFFECTS

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|--|---------------|
| Exposure limits: | Not available |
| Irritancy of product: | Skin and eyes |
| Sensitization to product: | Not available |
| Cancerogenicity: | Not available |
| Reproductive toxicity: | Not available |
| Teratogenicity: | Not available |
| Mutagenicity: | Not available |
| Toxicologically synergistic products: | Not available |

8. PREVENTIVE MEASURES

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|--------------------------------|--|
| Respirator protection: | Respirator for splashing solution |
| Mechanical Ventilation: | Local exhaust ventilation when necessary |
| Protective gloves: | Chemical gloves |
| Eyes protection: | Chemical goggles |
| Others equipment: | Maintain in the working area: sink, emergency shower and eyewash fountain. |
| Leak of spill: | Wear protective clothing, eyewear and respirator. Material should be swept up for salvage or disposal. |
| Waste disposal: | In accordance and guidelines of local regulations. |
| Handling and storage: | Store in a clean dry area. |

9. FIRST AID MEASURES

| | |
|----------------------|---|
| Inhalation: | Remove to fresh air, if breathing difficulty or discomfort occurs and persists, obtain medical attention. |
| Skin contact: | Flush thoroughly with water get medical attention if irritation occurs. |
| Eye contact: | Flush thoroughly with water for at least 15 min and get medical attention. |
| Ingestion: | Remove to fresh air, if breathing difficulty or discomfort occurs and persists, obtain medical attention. |