

**BIO-PURGE WD-3100**  
**MATERIAL SAFETY DATA SHEET**

**1. HAZARDOUS INGREDIENTS**

NAME	#CAS	DL50	CL50	CONC.
Citric acid	77-92-9	Not available	Not available	1-5%
Benzoic acid	65-85-0	Not available	Not available	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 WD-3100  
**Product use:** Bio-Film, corrosion and build-up control in water system.

**4. PHYSICAL DATA**

**Physical state:** Liquid  
**Appearance:** Amber  
**Odour:** Not applicable  
**Specific gravity:** 1.234  
**Vapour pressure:** Not available  
**Vapour density:** Not available  
**Evaporation rate:** Not available  
**Boiling point:** 103 °C, 217 °F  
**Freezing point:** -8°C, 17.6°F  
**pH:** 3

**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

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

## 7. TOXICOLOGICAL PROPERTIES

<b>Route of entry:</b>	Skin contact: Yes	Skin absorption: Yes	Eye contact: Yes
	Inhalation: No	Ingestion: Yes	

### EFFECTS IN CASE OF OVEREXPOSURE

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

### CHRONIC EFFECTS

<b>Exposure limits:</b>	Not available
<b>Irritancy of product:</b>	Skin and eyes
<b>Sensitization to product:</b>	Not available
<b>Carcinogenicity:</b>	Not available
<b>Reproductive toxicity:</b>	Not available
<b>Teratogenicity:</b>	Not available
<b>Mutagenicity:</b>	Not available
<b>Toxicologically synergistic products:</b>	Not available

## 8. PREVENTIVE MEASURES

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

## 9. FIRST AID MEASURES

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