## **MATERIAL SAFETY DATA SHEET** FECASOL: A FECAL FLOTATION SOLUTION (30521-01848 OR 01849)

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#### Date Prepared: 17 January 2003

## Section I - Hazardous Ingredients/ Identity Information

Hazardous Components OSHA PEL ACGIH TLV					
Sodium Nitrate (CAS 07631-99-4)					
There is 1.58kg of sodium nitrate in each gallon of purified water.					

#### **Section II- Physical/Chemical Characteristics**

<b>Boiling Point</b>	N/A	Specific Gravity H2O = 1	1.2 @ 25 C		
Vapor Pressure	N/A	Melting Point	N/A		
Vapor Density	N/A	<b>Evaporation Rate</b>	N/A		
(air=1)					
Solubility in Water	Soluble				
Appearance and Odor: Clear, colorless liquid					

### Section III- Fire and Explosion Hazard Data

Flash Point	LEL	UEL				
Extinguishing Media: Use extinguishing media appropriate for surrounding fire conditions.						
Special Fire Fighting Procedures: Wear self-contained breathing apparatus.						
<b>Unusual Fire &amp; Explosion Hazards:</b> **** Sodium nitrate powder is a strong oxidizer, however						
remaining in solution, it is considered non-regulated for DOT purposes. *****						

#### **Section IV - Reactivity Data**

Stability	Unstable		Conditions to Avoid: High temperatures			
	Stable	Χ				
<b>Incompatibility</b> (materials to avoid): Cyanides, strong reducing agents and acids						
Hazardous Decomposition or Byproducts						
Hazardous May		May	Occur		Conditions to Avoid	
Polymeriza	ation	Will N	Not Occur	X		

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## Section V - Health Hazard Data

<b>Routes of Entry:</b>	Inhalation	Skin X		Oral X			
Health Hazards (Acute & Chronic) May cause eye irritation. Ingestion may cause irritation							
to mouth and stomach. Ingestion of large amounts may cause dizziness, abdominal							
cramps, vomiting and headaches.							
Carcinogenicity: Some experimental data on animals			NTP?	ARC	OSHA		
indicate that sodium nitrate may be carcinogenic.							
Signs and Symptoms of Exposure: As above.							
Medical Conditions Generally Aggravated by Exposure:							
Emergency & First Aid Procedures: EYES: Flush with plenty of water and contact a physician. In							
case of ingestion immediately induce vomiting if conscious and consult a physician.							

#### Section VI - Precautions for Safe Handling & Use

**Steps to Be Taken In Case of Spill or Release:** Wear complete protective equipment including NIOSH approved respiratory protection. Absorb on sand or vermiculite and place in a closed container for disposal.

Waste Disposal Method: Dispose IAW federal, state and local regulations.

**Precautions To Be Taken in Handling & Storage:** Keep container tightly closed and away from incompatible materials.

**Other Precautions:** Read and follow label instructions and instructions accompanying fecal analysis device before use.

## **Section VII - Control Measures:**

Respiratory Protection (Specify Type) Not required for normal use.						
Ventilation	Local Exhaust adequate	Special adequate				
	Mechanical(General) adequate	C	Other N/A			
Protective Gloves Preferred		Eye Protection Not required for normal use.				
Other Protective Clothing or Equipment Not required for normal use.						
Work/Hygienic Practices Not required for normal use.						

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