

# MATERIAL SAFETY DATA SHEET

FECASOL: A FECAL FLOTATION SOLUTION (30521-01848 OR 01849)

EVSCO PHARMACEUTICALS  
DIVISION OF VÉTOQUINOL USA, INC.  
101 LINCOLN AVE.  
BUENA, N.J. 08310-0687

(800) 267-5707

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## Section I - Hazardous Ingredients/ Identity Information

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

## Section II- Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity H <sub>2</sub> O = 1	1.2 @ 25 C
Vapor Pressure	N/A	Melting Point	N/A
Vapor Density (air=1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble		
Appearance and Odor: Clear, colorless liquid			

## Section III- Fire and Explosion Hazard Data

Flash Point	Flammable Limits	LEL	UEL
<b>Extinguishing Media:</b> Use extinguishing media appropriate for surrounding fire conditions.			
<b>Special Fire Fighting Procedures:</b> 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	X	
<b>Incompatibility (materials to avoid):</b> Cyanides, strong reducing agents and acids			
<b>Hazardous Decomposition or Byproducts</b>			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

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## Section V - Health Hazard Data

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

<b>Steps to Be Taken In Case of Spill or Release:</b> Wear complete protective equipment including NIOSH approved respiratory protection. Absorb on sand or vermiculite and place in a closed container for disposal.
<b>Waste Disposal Method:</b> Dispose IAW federal, state and local regulations.
<b>Precautions To Be Taken in Handling &amp; Storage:</b> Keep container tightly closed and away from incompatible materials.
<b>Other Precautions:</b> Read and follow label instructions and instructions accompanying fecal analysis device before use.

## Section VII - Control Measures:

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

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