

# MATERIAL SAFETY DATA SHEET

MSDS# 213230  
BIGELOIL®

W. F. YOUNG, INC.  
302 Benton Drive  
East Longmeadow, MA 01028

Non-Emergency Telephone:  
MA (413) 526-9999

## SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

**PRODUCT NAME:** Bigeloil  
**PRODUCT DESCRIPTION:** Clear yellow liquid

**MEDICAL EMERGENCY TELEPHONE (Poison Center): (303) 623-5716**  
**TRANSPORTATION EMERGENCY TELEPHONE (Chemtrec): 1-800-424-9300**

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS (Typical Values)

HAZARDOUS INGREDIENTS	CAS NO.	WT.%	ACGIH(TLV)	OSHA(PEL)
Ethyl Alcohol	64-17-5	75%	1000 ppm (8hr)	

## OTHER IMPORTANT INGREDIENTS

Thymol, Methyl Salicylate, Capsicum Tincture, Salicylic Acid, Menthol

## SECTION 3: HAZARDS IDENTIFICATION

### Signs and Symptoms of Exposure

Prolonged exposure to excessive concentrations may result in irritation of mucous membranes, headaches, drowsiness, fatigue, and narcosis.

**Routes of Entry:** Inhalation?      Skin?      Ingestion?  
Yes                                      Yes                                      Yes

**Health Hazards (Acute and Chronic)** The Health effects noted below are consistent with requirements under OSHA Hazard Communication Standard (29 CFR 1910.1200).

### EYE CONTACT:

Liquid is moderately irritating to the eyes

### SKIN CONTACT:

Not a primary irritant. (FHSLA)

No significant signs or symptoms indicative of any health hazard are expected to occur as a result of skin exposure.

### INGESTION:

May produce gastrointestinal irritation in large quantities.

**Carcinogenicity:** NTP? No      IARC Monograph? No      OSHA Monograph? No

### Medical Conditions Generally Aggravated by Exposure:

Pre-existing skin disorders may be aggravated by exposure.

<b>SECTION 4: EMERGENCY AND FIRST AID PROCEDURES</b>
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**EYE CONTACT:**

Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if needed.

**SKIN CONTACT:**

If irritation occurs, flush skin with water. If irritation persists, get medical attention.

**INHALATION:**

Remove victim to fresh air, treat symptomatically. Get medical attention if symptoms persist.

**INGESTION:**

Contact a physician or Poison Control Center.

<b>SECTION 5: FIRE FIGHTING MEASURES</b>
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Flash Point (Method Used)	Flammable Limits	LEL	UEL
58°F	N/E	N/E	N/E

**Extinguishing Media**

Foam, Carbon Dioxide, Dry chemical and Water fog.

**Special Fire Fighting Procedures**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Water spray can be used to reduce intensity of flames and to dilute spills to nonflammable mixture.

**Unusual Fire and Explosion Hazards**

Do not use a direct stream of water. Material may float and reignite.

<b>SECTION 6: ACCIDENTAL RELEASE MEASURES &amp; DISPOSAL</b>
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**Spill Control Methods**

Avoid eye or skin contact. Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean up spill, flush area sparingly with water or use an absorbent. Avoid runoff into storm sewers and ditches which lead to natural waterways. All clean-up and disposal should be carried out in accordance with Federal, State, and Local Regulations. If required, state and local authorities should be notified.

**Waste Disposal Methods**

Landfill solids at permitted sites. Preferred method is incineration or biological treatment in federal/state approved facility.

<b>SECTION 7: HANDLING &amp; STORAGE</b>
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**Precautions To Be Taken In Handling & Storing**

Store away from oxidizing agents.

**Other Precautions**

Do not store or consume food, drink, or tobacco in area where they may become contaminated with this material.

<b>SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION</b>
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**Respirator Protection**

None likely to be needed.

**Ventilation**

None likely to be needed.

**Skin and Eye Protection:**

Avoid contact with eyes.

**Other Protective Clothing or Equipment:**

Eye wash; safety showers; wash after handling.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT: Not Established  
 MELTING POINT: Not Applicable  
 VAPOR PRESSURE: Not Applicable  
 VAPOR DENSITY (AIR=1): Not Applicable  
 EVAPORATION RATE: (butyl acetate = 1)  
 VOLATILE FRACTION BY WEIGHT: 75%  
 SOLUBILITY IN WATER (By weight %): Soluble  
 SPECIFIC GRAVITY (H<sub>2</sub>O=1) @ 25 C: 0.86-0.88  
 pH:  
 APPEARANCE: Yellow clear liquid  
 ODOR: Pine

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable  
**Incompatibility (Materials to avoid):** Avoid heat, sparks, flame. Oxidizing materials can cause a vigorous reaction.  
**Hazardous Decomposition or By-Products:** Carbon dioxide and carbon monoxide  
**Hazardous Polymerization:** Will not occur

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Oral LD50:**  
**Dermal LD50:**  
**Inhalation LC50:**  
**Eye effects:**  
**Skin effects:**

**SECTION 12: ECOLOGICAL INFORMATION**

Avoid runoff into storm sewers and ditches which lead to natural waterways.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Preferred method is incineration or biological treatment in federal/state approved facility.

**SECTION 14: TRANSPORTATION INFORMATION**

**DOT, IMO, ICAO, Transport Canada**

	<u>North America</u> <u>&lt;33.3 fl oz</u>	<u>North America &amp; Ocean &gt;</u> <u>32 oz.</u>	<u>Overseas by ocean &lt;= 32 oz</u>
<b>HAZARD CLASS:</b>	ORM-D	3	3
<b>PROPER SHIPPING NAME:</b>	Consumer Commodity	FLAMMABLE LIQUIDS	Ethyl Alcohol solution in limited quantities, Class 3, PG II
<b>UN NUMBER:</b>	None	UN1993	UN1993
<b>LABEL:</b>	None	Flammable Liquids	Dangerous goods in limited quantities, Class 3, PGII
<b>PACKING GROUP:</b>		II	II
<b>PLACARD:</b>		Over 1000# Flammable Liquids	
<b>FLASH POINT:</b>	58°F (14.5°C)	58°F (14.5°C)	58°F (14.5°C)

**NFPA**  
**HEALTH**..... 0  
**FLAMMABILITY**..... 3  
**REACTIVITY**..... 0  
**SPECIAL**..... None

4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant

<b>SECTION 15: REGULATORY INFORMATION</b>
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U.S. FEDERAL REGULATION

**OSHA:** Subpart Z

**TSCA: EPA, Section 2**

**CERCLA HAZARDOUS SUBSTANCE (40 CFR 302):**

**SARA Title III:**

**SARA Hazard Categories:**

**TURA 3B:**

CHEMICAL SUBSTANCE	CAS NO.	CONCENTRATION % WT.
<i>Ethyl Alcohol</i>	<i>64-17-5</i>	<i>75%</i>
<b>LISTED UNDER THE FOLLOWING: FEDERAL REGULATIONS; STATE REGULATIONS; INTERNATIONAL REGULATIONS</b>		

<b>SECTION 16: OTHER INFORMATION</b>
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