

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **BIGELOIL® LIQUID GEL**  
 PRODUCT DESCRIPTION: Clear, yellow gel, pine odor  
 GENERAL USE: Topical Analgesic



MANUFACTURER'S NAME W. F. Young, Inc.	DATE PREPARED: January 17, 2011 SUPERSEDES: September 17, 2009	Page 1 of 4
302 Benton Drive ADDRESS (NUMBER, STREET, P.O. BOX)	(413) 526-9999 TELEPHONE NUMBER FOR INFORMATION	
(CITY, STATE AND ZIP CODE) COUNTRY East Longmeadow, MA 01028 USA	EMERGENCY TELEPHONE NUMBER Chemtrec (800) 424-9300 Outside USA (703) 527-3887	

## SECTION 2 - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Clear yellow gel, potentially hazardous vapors. Flammable. Can cause eye and skin irritation upon contact. Inhalation of vapors can cause anesthetic effect leading to death in poorly ventilated areas. Hazard Symbols for this product - F, Xn Risk Phrases - R10, 22

### POTENTIAL HEALTH EFFECTS

INHALATION: High concentrations may cause dizziness, drowsiness, nausea, and vomiting.

SKIN: Brief contact may cause slight irritation; no evidence of other adverse effects from available information.

EYES: Contact may cause minor irritation.

INGESTION: Causes dizziness, drowsiness, decreased reaction, euphoria, nausea, vomiting, staggering gait, and coma. Ingestion of a large quantity of this product containing Specially Denatured Alcohol may result in poisoning.

CARCINOGENICITY NTP? No No NoIARC MONOGRAPHS? OSHA REGULATED?

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	EINECS #	% (by weight)	OSHA PEL		ACGIH TWA	RQ LBS
				PPM	MG/M3		
Ethanol (a) (denatured)	64-17-5	200-578-6	40 - 70	1000	1900	1000	
Menthol	89-78-1	216-074-4	3 - 7	not established			
Methyl salicylate	119-36-8	204-317-7	<1				

The remaining components of this product are non-hazardous or are in small enough quantities as to not meet regulatory thresholds for disclosure. These components contain substances or impurities which may influence the classification of this product.

(a) Ingredients included in the Canadian Ingredient Disclosure List are one of the four categories of ingredients whose identity and concentration must be disclosed on an MSDS if found in a controlled product above the concentration cut-off.

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**SECTION 4 - FIRST AID MEASURES**

**INHALATION:** Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

**SKIN:** Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

**EYES:** Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

**INGESTION:** Give two glasses of water for dilution; Induce vomiting by sticking fingers down throat; never give anything by mouth to an unconscious person; seek medical attention.

**SECTION 5 - FIRE FIGHTING MEASURES**

FLASH POINT (METHOD USED) 84.2° F (29° C) TCC	LEL: UEL:FLAMMABLE LIMITS 3.3% 19.0%
	Not determinedAUTOIGNITION TEMPERATURE: ICNFPA CLASS:

**GENERAL HAZARDS:** Product is flammable. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

**EXTINGUISHING MEDIA** Carbon dioxide, water, water fog, dry chemical, chemical foam.

**FIRE FIGHTING PROCEDURES** Self - contained respiratory equipment; cool containers to prevent pressure buildup and possible explosion when exposed to extreme heat. Caution - material is flammable!

Closed containers can explode due to buildup of pressure when exposed to extreme heat. Vapors may cause a flash fire or ignite explosively. Vapors may travel a considerable distance to a source of ignition and flash back. **UNUSUAL FIRE AND EXPLOSION HAZARDS**

Smoke, fumes or vapors, oxides of carbon. **HAZARDOUS COMBUSTION PRODUCTS**

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** CAUTION - FLAMMABLE - Evacuate and ventilate area; remove all sources of sparks, ignition and open flames; confine and absorb into approved absorbent; place material into approved containers for disposal; do not wash to sewer or waterway.

**SECTION 7 - HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. CAUTION - FLAMMABLE - keep away from all sources of ignition. "Empty" containers may contain residue which may form explosive vapors. Do not weld or cut near empty container that has not been professionally reconditioned. Use non-sparking tools when opening and closing containers. Maintain well ventilated work areas to minimize exposure when handling this material.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS**

The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

**PERSONAL PROTECTION:**

**RESPIRATORY PROTECTION:** Not ordinarily required, however, NIOSH approved respirator recommended to prevent overexposure.. Respiratory protection must be provided in accordance with OSHA regulations (29 CFR 1910.134), CSA Z94.4-93, or European Standard EN 149, as applicable.

**PROTECTIVE GLOVES:** Recommended for general protection

**EYE PROTECTION:** Chemical splash goggles. Eye protection must be provided in accordance with OSHA regulations (29 CFR 1910.133), ANSI Z87.1, or European Standard EN 166, as applicable.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Safety eyewash station nearby.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR Clear, green gel, spearmint odor	> 1 VAPOR DENSITY (AIR = 1)
0.900 SPECIFIC GRAVITY (WATER = 1)	< 1 EVAPORATION RATE (Water = 1)
Complete SOLUBILITY IN WATER	% VOLATILE (BY WEIGHT) 87.00%
6.5 pH	17 mm Hg @ 20° C VAPOR PRESSURE
BOILING POINT 173.3° F (78.5° C)	< 32° F ( < 0° C ) FREEZING POINT
VISCOSITY Not specified	VOLATILE ORGANIC COMPOUNDS (VOC's) 3.75 pounds / gallon (447 grams / liter)

**SECTION 10 - STABILITY AND REACTIVITY**

STABILITY UNSTABLE: STABLE: X	CONDITIONS TO AVOID: Extreme temperatures, open flames, sparks.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.	
HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: X	CONDITIONS TO AVOID: None

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Hazardous Ingredients	CAS #	EINECS #	Species and Route LD50 of Ingredient	LC50 of Ingredient Species
Ethanol (a) (denatured)	64-17-5	200-578-6	Oral - rat 7060 mg / kg	20,000 ppm / 10H Inhalation - rat
Witch hazel	68916-39-2	Not found	Not established	Not established
Menthol	89-78-1	216-074-4	3180 mg / kg Oral - rat	Not established
1,2-Propylene glycol (a)	57-55-6	200-338-0	Oral - rat 20,000 mg / kg	Not established
Decamethylcyclopentasiloxane	541-02-6	208-764-9	Not established	Not established

**SECTION 12 - ECOLOGICAL INFORMATION**

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. This product may produce hazardous vapors in a closed disposal container creating a dangerous environment. Refer to 40 CFR 260 - 299 for complete waste disposal regulations. Consult your local, state, or federal agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

**SECTION 14 - TRANSPORT INFORMATION**

Ground: Consumer Commodity ORM-D

Ocean: UN1170 Ethyl Alcohol Solution in Limited Quantities Class 3 Packing Group III square-on-point display per 3.4.5.1

Air: ID8000 Consumer Commodity Class 9 No PG mark as Consumer Commodity, ID8000, Pkg orientation

Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

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**SECTION 15 - REGULATORY INFORMATION**

WGK Water Quality Index: nwg  
 Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 3.  
 EINECS (European Inventory of Existing Commercial Chemical Substances)  
 DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)  
 311/312 Hazard Categories All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.  
 IDL (Canadian Ingredient Disclosure List) Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations.  
 Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.  
 VbK Index: A III  
 There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity  
 . 313 Reportable Ingredients: None  
 CERCLA (Comprehensive Response Compensation and Liability Act) California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986 Fire hazard, immediate health None  
 TSCA (Toxic Substance Control Act) SARA TITLE III (Superfund Amendments and Reauthorization Act) Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.  
 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.  
 WHMIS Classification: B2, D2A, D2B CPR (Canadian Controlled Products Regulations)

<p>Risk Phrases          R10 Flammable.          R22 Harmful if swallowed.</p>	<p>SYMBOL(S) REQUIRED FOR LABEL          Flammable Harmful</p>	<p>Safety Phrases          S23 Do not breathe vapor.          S25 Avoid contact with eyes.</p>
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**SECTION 16 - OTHER INFORMATION**

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

HMIS HAZARD RATINGS 1 3 0 G HEALTH 2 = MODERATE FLAMMABILITY 3 = HIGH PERSONAL PROTECTIVE EQUIPMENT PHYSICAL HAZARD 4 = EXTREME Safety Glasses, Gloves, Vapor Respirator 1 = SLIGHT \* = Chronic Health Hazard 0 = INSIGNIFICANT

REVISION SUMMARY: This MSDS has been revised in the following sections: Transportation information updated

MSDS Prepared by: Karen M. Norkaitis  
W. F. Young, Inc.

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.