

# SAFETY DATA SHEET

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** BIGELOIL® Liquid

GENERAL USE: External Analgesic  
PRODUCT DESCRIPTION: Clear yellow liquid.



MANUFACTURER'S NAME:  
W. F. Young, Inc

DATE PREPARED: June 18, 2014  
SUPERSEDES: October 17, 2011

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ADDRESS (NUMBER, STREET, P.O. BOX)  
302 Benton Drive

TELEPHONE NUMBER FOR INFORMATION:  
(413) 526-9999

CITY, STATE AND ZIP CODE:  
East Longmeadow, MA 01028

EMERGENCY TELEPHONE NUMBER:  
(413) 526-9999

## SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	% (by weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES Full Test Section 16
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Ethyl Alcohol	70 – 80	64-17-5	200-578-6		
Menthol	1 – 5	89-78-1	216-074-4		

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 no substances or impurities which would influence the classification of this product.

(a) See Section 15

(b) Indicates that the Resource Conservation and Recovery Act (RCRA) has determined the waste for this chemical is listed as hazardous and must be handled according to regulations in 40 CFR 260-281.

## SECTION 3 – HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

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

### POTENTIAL HEALTH EFFECTS

**INHALATION:** High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise.

**SKIN:** 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

**EYES:** Liquid is moderately irritating to the eyes.

**INGESTION:** May produce gastrointestinal irritation in large quantities

**CARCINOGENICITY** NTP? No IARC MONOGRAPHS: No OSHA REGULATED: No

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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** If irritation occurs, flush skin with water. If irritation persists, get 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:** Contact a physician or Poison Control Center..

## SECTION 5 – FIRE FIGHTING MEASURES

**FLASH POINT (METHOD USED)**  
58° F ( 14.4° C ) TCC

**FLAMMABLE LIMITS**

**LEL:**

**UEL:**

**AUTOIGNITION TEMPERATURE:**

**NFPA 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!

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** 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.

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

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** CAUTION - FLAMMABLE - Evacuate and ventilate area; confine and absorb into absorbent; place material into approved containers for disposal; for spills in excess of allowable quantities notify the National Response Center (800) 424 - 8802; refer to CERCLA 40 CFR 302 for detailed instructions concerning reporting requirements. Do not discharge into lakes, ponds, streams or public waters.

## SECTION 7 – HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN 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 nonsparking tools when opening and closing containers. Maintain well ventilated work areas to minimize exposure when handling this material.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**PERSONAL PROTECTION:**

**RESPIRATORY PROTECTION:**

None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134, ANSI Z88.2, or European Standard EN 149 for complete regulations.

**PROTECTIVE GLOVES:** Neoprene, butyl or nitrile rubber gloves with cuffs.

**EYE PROTECTION:** Chemical splash goggles. Refer to 29 CFR 1910.133, ANSI Z87.1, or European Standard EN166.

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

**WORK/HYGIENIC PRACTICES:** Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR: Yellow liquid; Pine odor.	VAPOR DENSITY (AIR = 1)
SPECIFIC GRAVITY (WATER =1) 0.888	EVAPORATION RATE (WATER =1)
SOLUBILITY IN WATER Appreciable	% VOLATILE (BY WEIGHT)
Ph: 3 - 5	VAPOR PRESSURE
BOILING POINT:	FREEZING POINT
VISCOSITY Like that of water	VOLATILE ORGANIC COMPOUNDS (VOC's)

**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	

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Hazardous Ingredients	CAS #	EINECS #	LD50 of Ingredient Species and Route	LC50 of Ingredient Species
Ethyl Alcohol, denatured	64-17-5	200-578-6		
Menthol	89-78-1	216-074-4	3180 mg / kg Oral - rat	Not established
(a) See Section 15				

**SECTION 12 – ECOLOGICAL INFORMATION**

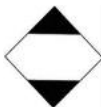
No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, 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.

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**SECTION 14 – TRANSPORT INFORMATION****16 fl oz , 32 fl oz**

Ground: Consumer Commodity ORM-D or limited qty

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

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

**128 fl oz**

Ground: UN1170 Ethyl Alcohol Solution Class 3 Packing Group II

Ocean: UN1170 Ethyl Alcohol Solution Class 3 Packing Group II Ethyl Alcohol solution, UN1170 Class 3, Pkg Orientation

Air: UN1170 Ethyl Alcohol Solution -CAO Class 3 Packing Group II Ethyl Alcohol solution, UN1170 Class 3, Pkg Orientation, CAO

**NOTE:**

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

**SECTION 15 – REGULATORY INFORMATION****TSCA (Toxic Substance Control Act)**

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 or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

**SARA TITLE III (Superfund Amendments and Reauthorization Act)**

311/312 Hazard Categories  
Immediate health, fire hazard

313 Reportable Ingredients:  
None

**CERCLA (Comprehensive Response Compensation and Liability Act)**

(a) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture = 6,000 lbs) or greater amounts, according to 40 CFR 302.

California Prop 54, Safe Drinking Water and Toxic Enforcement Act of 1986

There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.

**CPR (Canadian Controlled Products Regulations)**

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, D2B

**IDL (Canadian Ingredient Disclosure List)**

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

**DSL/NDSL (Canadian Domestic Substances List/Non-Domestic Substance 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 2 unless otherwise indicated.

**EINECS (European Inventory of Existing Commercial Chemical Substances)**

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

WGK Water Quality Index: 1

VbK Index: 1

**Risk Phrases**

R11 Highly flammable.  
R36 Irritating to eyes.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

**SYMBOL(S) REQUIRED FOR LABEL**

Flammable



Irritant

**Safety Phrases**

S9 Keep container in a well-ventilated place.  
S16 Keep away from sources of ignition.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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**SECTION 16 – OTHER INFORMATION**

Notes &amp; full R-Phrase text

R11 Highly flammable.

R36 Irritating to eyes.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to the eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

**HMIS HAZARD RATINGS**

**HEALTH** 2  
**FLAMMABILITY** 3  
**PHYSICAL HAZARD** 0  
**PERSONAL PROTECTIVE**  
**EQUIPMENT** B Safety Glasses, Gloves

\* = Chronic Health Hazard      2 = MODERATE  
0 = INSIGNIFICANT                3 = HIGH  
1 = SLIGHT                            4 = EXTREME

**REVISION SUMMARY:**

**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.