



## SAFETY DATA SHEET

In accordance with Commission Regulation (EC) 1907/2006 as amended  
CLP Regulation (1272/2008)

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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**1.1. Product identifier:**

Absorbine® Liquid Embrocation

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Soothes sore muscles and stiff joints

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

W. F. Young, Inc.  
The Old Nursery Office Rock Road  
Washington – West Sussex RH20 3BH  
United Kingdom  
Telephone number for information: +1 413 526 9999

**Local contact in EU Member State:** see above

**E-mail:** SDS@wfyoung.com

**1.4. Emergency telephone number**

+1 413 526 9999

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### SECTION 2: HAZARDS IDENTIFICATION

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**2.1. Classification of the mixture**

H225: Highly flammable liquid and vapour  
H319: Causes serious eye irritation  
H336: May cause drowsiness or dizziness  
EUH066: Repeated exposure may cause skin dryness or cracking

**2.2. Label elements**



Danger

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves / protective clothing / eye protection, face protection.

P271: Use only outdoors or in a well-ventilated area.

P405: Store locked up.

### 2.3. Other hazards

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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### 3.2. Mixtures

Hazardous ingredients information

Component	CAS Nr	EINECS / ELINCS	Amount (%)	EU CLP Hazard Class	EU CLP Hazard Statements
Acetone	67-64-1	200-662-2	75 - 85	Flam. Liq. 2 Eye irrit. 2 STOT SE 3	H225 H319 H336
Menthol	89-78-1	201-939-0	1 - 5	Eye Dam. 1 Skin irrit. 2 STOT SE 3	H400

#### Other Components:

Remaining components of this aqueous mixture are proprietary, non-hazardous and/or are present at concentrations below reportable limits.

#### Additional Information:

Amounts specified are typical and do not represent a specification. For the wording of the listed risk phrases refer to Section 16.

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## **SECTION 4: FIRST AID MEASURES**

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### **4.1. Description of first aid measures**

#### **Inhalation**

High concentrations are irritating to the respiratory tract; may cause headache, dizziness, ausea, vomiting and malaise. Remove affected person to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.

#### **Skin**

Brief contact may cause slight irritation; prolonged contact may cause moderate reddening, swelling and possible necrosis. Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.

#### **Eye**

Contact causes severe irritation and pain associated with redness and swelling of the conjunctiva. Remove contact lenses. Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; seek medical attention immediately.

#### **Ingestion**

Moderately toxic; may cause headache, dizziness, diarrhea and general weakness; large doses may result in red blood cell hemolysis. If swallowed, call a physician of Poison Control Center immediately. May produce CNS depression. Do not induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious or convulsing person.

### **4.2. Most important symptoms and effects, both acute and delayed**

**INHALATION:** Inhalation of mists or vapors may cause irritation to upper respiratory tract and mucous membranes. May cause headache, dizziness, nausea, vomiting and malaise.

**SKIN:** Liquid is mildly irritating to the skin. Prolonged skin contact may result in skin irritation and dermatitis.

**EYES:** Liquid is severely irritating to the eyes. High vapour concentrations are also irritating.

**INGESTION:** May produce CNS depression.

### **4.3. Indication of any immediate medical attention and special treatment needed**

None identified

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## **SECTION 5: FIRE-FIGHTING MEASURES**

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### **5.1. Extinguishing media**

Carbon dioxide, water fog, dry chemical, chemical foam.

**5.2. Special hazards arising from the substance or mixture**

Closed containers can explode due to build-up of pressure when exposed to extreme heat. Water spray can be used to reduce the intensity of flames and to dilute spills to non-flammable mixture.

**5.3. Advice for fire-fighters**

Self - contained respiratory equipment; cool containers to prevent pressure build-up and possible explosion when exposed to extreme heat. Vapors from this product may travel or be moved by air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from handling point. Vapors are heavier than air.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**6.1. Personal precautions, protective equipment and emergency procedures**

FLAMMABLE. Evacuate and ventilate area; confine and absorb into absorbent; place material into approved containers for disposal

**6.2. Environmental precautions**

Do not discharge into lakes, ponds, streams or public waters.

**6.3. Methods and material for containment and cleaning up**

Confine and absorb into absorbent; place material into approved containers for disposal.

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**SECTION 7: HANDLING AND STORAGE**

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**7.1. Precautions for safe handling**

Flammable. Keep this and other chemicals out of reach of children. Avoid inhaling concentrated fumes or vapor.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep containers closed when not in use. Protect from extreme temperatures. It should be stored in tightly closed containers in a cool, well-ventilated area.

**7.3. Specific end use(s)**

None identified

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

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**8.1. Control parameters**

**National Limit values :**

Substance	NIOSH (US)				ACGIH (US)				EU	
	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>	TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>
Acetone	250	590	--	--	500	--	750	---	2400	--
Menthol	-	-	-	-	-	-	-	-	-	--

**national occupational exposure limit values :** see above

**relevant DNELs and PNECs:** not available

**8.2. Exposure controls**

**Appropriate engineering controls:**

Use general dilution or local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

(a) **Eye/face protection:**

Chemical splash goggles.

(b) **Skin protection:**

Coveralls, apron, or other equipment should be worn to minimize skin contact. Neoprene or rubber gloves with cuffs.

(c) **Respiratory protection:**

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

(d) **Thermal hazards:**

Avoid extreme temperature.

### Environmental exposure controls

None specified at present under Community environmental protection legislation. As a general precaution, do not discharge into the drains/surface waters/groundwater.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1. Information on basic physical and chemical properties

(a) Appearance:	Green thin liquid
(b) Odour:	acetone odour
(c) Odour threshold:	not established
(d) pH:	3.5
(e) Melting point / freezing point:	N/A
(f) Initial boiling point and boiling range:	133°F (56.1°C)
(h) Evaporation rate (water = 1):	<1
(g) Flash point:	20°F (-6.7°C) TCC
(i) Flammability (solid, gas):	not applicable
(j) Upper/lower flammability or explosive limits:	2.0% - 13.0%
(k) Vapour pressure:	17 mm Hg @ 20°C
(l) Vapour density (air = 1) :	2.0
(m) Relative density:	0.888 @ 25°C
(n) Solubility(ies):	Partially Miscible
(o) Partition coefficient:	n-octanol/water: not established
(p) Auto-ignition temperature:	not determined
(q) Decomposition temperature:	not determined
(r) Viscosity:	0.32 cps @ 20°C
(s) Explosive properties:	not applicable
(t) Oxidising properties:	not applicable

### 9.2. Other information

None

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## SECTION 10: STABILITY AND REACTIVITY

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### 10.1. Reactivity

Not likely to react under normal storage and use conditions.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

None identified

### 10.4. Conditions to avoid

Avoid heat, sparks, and flame

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Carbon dioxide and carbon monoxide.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### 11.1. Information on toxicological effects

(a) **acute toxicity:**

**Oral LD50 [rat]:** > 5000mg/kg

**Dermal LD50[rat]:** > 2000mg/kg

**Inhalation LC50[rat]:** 5000 mg/kg

(b) **skin corrosion/irritation:** slight skin irritant

(c) **serious eye damage/irritation:** severely irritating to the eyes; produces ocular damage in the form of erythema chemosis, iritis, mucoid discharge and corneal opacity.

(d) **respiratory or skin sensitization:** not a contact sensitizer

(e) **germ cell mutagenicity:** not available for the mixture

(f) **carcinogenicity:** not available for the mixture; formaldehyde is a suspected carcinogen

(g) **reproductive toxicity:** not available for the mixture

(h) **STOT-single exposure:** not available for the mixture

(i) **STOT-repeated exposure:** not available for the mixture

(j) **aspiration hazard:** not available for the mixture

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## SECTION 12: ECOLOGICAL INFORMATION

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### 12.1. Toxicity

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

### 12.2. Persistence and degradability

While the ecological properties of this mixture have not been fully evaluated, limited ingredient data, if available, is presented.

Acetone – volatizes, leeches and biodegrades when release into soil

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

Not available.

### 12.6. Other adverse effects

None of the ingredients in this mixture are classified as a Marine Pollutant.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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### 13.1. Waste treatment methods

Do not contaminate water, food, or feed by storage or disposal. This product, when spilled or disposed of, is an ignitable waste. 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

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### 16 fl oz (475 ml)



Ground: Limited Qty

Ocean: UN1993 Acetone Solution in Limited Quantities Class 3-Flammable Liquid 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



**32 fl oz (946ml/950ml)**



Ground: Limited Qty

Ocean: UN1993 Acetone Solution in Limited Quantities Class 3-Flammable Liquid Packing Group II square-on-point display per 3.4.5.1

Air: UN1993 Acetone Solution -CAO Class 3 Packing Group II Acetone solution, UN1993 Class 3, Pkg Orientation, CAO

**40 fl oz , 128 fl oz (1.18L, 3.8L)**

Ground: UN1993 Acetone Solution Class 3-Flammable Liquid Packing Group II

Ocean: UN1993 Acetone Solution Class 3-Flammable Liquid Packing Group II, Pkg Orientation

Air: UN1993 Acetone Solution Class 3-Flammable Liquid Packing Group II, Pkg Orientation, CAO

**14.1. UN number**

1993

**14.2. UN proper shipping name**

Acetone Solution Limited quantity (sizes less than 33.3 fl oz [985ml])

**14.3. Transport hazard class(es)**

Class 3.2: Flammable liquid

**14.4. Packing group**

II

**14.5. Environmental hazards**

None

**14.6. Special precautions for user**

None identified

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable

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**SECTION 15: REGULATORY INFORMATION**

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**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture.**

**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

**15.2. Chemical Safety Assessment**

Not available for the mixture

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**SECTION 16: OTHER INFORMATION**

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**Hazard Statements:**

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H319: Causes serious eye irritation

H336: May cause drowsiness or dizziness

EUH066: Repeated exposure may cause skin dryness or cracking

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P280: Wear protective gloves / protective clothing / eye protection, face protection.

P271: Use only outdoors or in a well-ventilated area.

P405: Store locked up.

LAST UPDATE: 02 November 2017

Changes: UN change.

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