



SAFETY DATA SHEET

In accordance with Hazard Communication Standard (HCS) (29 CFR 1910.1200)

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

1.1. Product identifier:

Absorbine® Veterinary Liniment

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.
302 Benton Drive
East Longmeadow, MA 01028
Telephone number for information: +1 413 526 9999

Local contact in EU Member State: see above

E-mail: SDS@wfyong.com

1.4. Emergency telephone number

+1 413 526 9999

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the mixture

F, Xi R11, 20/21, 36, 37/38, 41, 50, 66, 67

2.2. Label elements



F; Flammable



Xi; Irritant

Risk phrases: R11, 36, 37/38, 41, 66, 67

Safety phrases: S2, S9, S16, S24/25, S26

2.3. Other hazards

None identified

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous ingredients information

In accordance with Directive 67/548/EEC:

Component	CAS Nr	EINECS / ELINCS	Amount (%)	DSD Hazard Symbol	DSD R-Phrases
Acetone	67-64-1	200-662-2	75 - 85	F, Xi	R-11, 36, 66, 67
Menthol	89-78-1	201-939-0	1 - 5	Xi	R-37/38,41

In accordance with Regulation (EC) 1272/2008:

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.

SECTION 4: FIRST AID MEASURES

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

High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, 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 or 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

SECTION 5: FIRE-FIGHTING MEASURES

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

SECTION 7: HANDLING AND STORAGE

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

National Limit values :

Substance	NIOSH (US)				ACGIH (US)				EU	
	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	TWA mg/m ³	STEL mg/m ³
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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

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|---------------------------|----------------|
| (s) Explosive properties: | not applicable |
| (t) Oxidising properties: | not applicable |

9.2. Other information

None

SECTION 10: STABILITY AND REACTIVITY

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.

SECTION 11: TOXICOLOGICAL INFORMATION

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

SECTION 12: ECOLOGICAL INFORMATION

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.

SECTION 13: DISPOSAL CONSIDERATIONS

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.

SECTION 14: TRANSPORT INFORMATION

16 fl oz



Ground: Limited Qty

Ocean: UN1090 Acetone 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

32 fl oz



Ground: Limited Qty

Ocean: UN1090 Acetone Solution in Limited Quantities Class 3 Packing Group II square-on-point display per 3.4.5.1

Air: UN1090 Acetone Solution -CAO Class 3 Packing Group II Acetone solution, UN1090 Class 3, Pkg Orientation, CAO

40 fl oz , 128 fl oz

Ground: UN1090 Acetone Solution Class 3 Packing Group II

Ocean: UN1090 Acetone Solution Class 3 Packing Group II Acetone solution, UN1090 Class 3, Pkg Orientation

Air: UN1090 Acetone Solution -CAO Class 3 Packing Group II Acetone solution, UN1090 Class 3, Pkg Orientation, CAO

14.1. UN number

1090

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

SECTION 15: REGULATORY INFORMATION

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

SECTION 16: OTHER INFORMATION

Risk and Safety phrases:

R11	Highly flammable
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin
R66	Repeated exposure may cause skin dryness or cracking

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R67 Vapours may cause drowsiness and dizziness.
R68 Possible risks of irreversible effects
S2 Keep out of the reach of children
S9 Keep container in a well-ventilated place
S16 Keep away from sources of ignition
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Hazard Statements:

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation
H336 May cause drowsiness and dizziness
H340 May cause genetic defects (phenol)

LAST UPDATE: 26 September 2014

Changes: Change the Transport Information for the 32 fl oz bottle for air transport to require UN 1090 labeling.

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