



# Vetrolin Liniment

## Safety Data Sheet

Date of issue: 09/12/2017

Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : Vetrolin Liniment  
Synonyms : 80192, 80193, 100531065

#### 1.2. Recommended use and restrictions on use

Recommended use : Grooming aid.  
Restrictions on use : Keep out of reach of children, Avoid contact with eyes, skin and clothing, Do not use or store near heat or open flame.

#### 1.3. Supplier

Farnam Pet Products, A Division of Farnam Companies, Inc.  
P.O. Box 34820  
Phoenix, AZ 85067-4820  
www.farnam.com

#### 1.4. Emergency telephone number

Emergency number : 1-800-234-2269  
1-800-424-9300 - CHEMTREC  
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flammable liquids Category 3 Flammable liquid and vapour

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS02

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) : Flammable liquid and vapour  
Precautionary statements (GHS-US) : Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/Bond container and receiving equipment  
Use explosion-proof electrical, lighting, ventilating equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Wear protective gloves/protective clothing/eye protection/face protection  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
In case of fire: Use water fog, CO2, alcohol resistant foam to extinguish  
Store in a well-ventilated place. Keep cool  
Dispose of contents/container to in accordance with local/regional/national/international regulations

#### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

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### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name              | Product identifier | %       |
|-------------------|--------------------|---------|
| Ethanol           | (CAS-No.) 64-17-5  | 46.17   |
| Other ingredients | (CAS-No.) N/A      | Balance |

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.
- First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after skin contact : May cause skin irritation.
- Symptoms/effects after eye contact : May cause eye irritation.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Alcohol-resistant foam. Carbon dioxide.
- Unsuitable extinguishing media : Avoid heavy hose streams.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : Flammable liquid and vapour.
- Reactivity : Flammable liquid and vapour.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.

#### 6.2. Environmental precautions

Avoid release to the environment.

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

- Methods for cleaning up : SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal. Use appropriate PPE. Non-sparking tools should be used.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight.
- Incompatible materials : Strong acids. Strong bases. Strong oxidizers.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Ethanol (64-17-5) |                                      |                        |
|-------------------|--------------------------------------|------------------------|
| ACGIH             | ACGIH STEL (ppm)                     | 1000 ppm               |
| OSHA              | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 1900 mg/m <sup>3</sup> |
| OSHA              | OSHA PEL (TWA) (ppm)                 | 1000 ppm               |
| IDLH              | US IDLH (ppm)                        | 3300 ppm (10% LEL)     |
| NIOSH             | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 1900 mg/m <sup>3</sup> |
| NIOSH             | NIOSH REL (TWA) (ppm)                | 1000 ppm               |

#### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.
- Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Hand protection:

Protective gloves

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing



### SECTION 9: Physical and chemical properties

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

- Physical state : Liquid
- Appearance : Clear light green liquid
- Color : Light green
- Odor : Herbal
- Odor threshold : No data available

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|   |                             |
|---|-----------------------------|
| pH  | : 8.4 approx.               |
| Melting point                               | : Not applicable            |
| Freezing point                              | : No data available         |
| Boiling point                               | : > 35 °C (>95°F)           |
| Flash point                                 | : 23 °C (73.4°F Closed cup) |
| Relative evaporation rate (butyl acetate=1) | : No data available         |
| Flammability (solid, gas)                   | : Not applicable            |
| Vapor pressure                              | : No data available         |
| Relative vapor density at 20 °C             | : No data available         |
| Relative density                            | : 0.89                      |
| Solubility                                  | : Soluble                   |
| Log Pow                                     | : No data available         |
| Auto-ignition temperature                   | : No data available         |
| Decomposition temperature                   | : No data available         |
| Viscosity, kinematic                        | : No data available         |
| Viscosity, dynamic                          | : No data available         |
| Explosion limits                            | : No data available         |
| Explosive properties                        | : Not explosive             |
| Oxidizing properties                        | : Not applicable            |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

| Vetrolin Liniment |             |
|-------------------|-------------|
| pH                | 8.4 approx. |

| Ethanol (64-17-5)  |                    |
|--|--------------------|
| LD50 oral rat  | 9900 - 10600 mg/kg |
| LD50 dermal  | 20000 mg/kg        |
| LC50 inhalation rat (mg/l)                                   | 39 mg/l/4h         |
| Listed on IARC (International Agency for Research on Cancer) |                    |

| GHS-US Properties                 | Classification |
|-----------------------------------|----------------|
| Acute toxicity                    | Not classified |
| Skin corrosion/irritation         | Not classified |
| Serious eye damage/irritation     | Not classified |
| Respiratory or skin sensitization | Not classified |
| Germ cells mutagen                | Not classified |
| Carcinogenicity                   | Not classified |

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|  |                |
|--|----------------|
| Reproductive toxicity                              | Not classified |
| Specific target organ toxicant (single exposure)   | Not classified |
| Specific target organ toxicant (repeated exposure) | Not classified |
| Aspiration hazard                                  | Not classified |

### Potential health effects

#### Skin

Acute : May cause skin irritation.

#### Eye

Acute : May cause irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

| Ethanol (64-17-5) |  |
|-------------------|--|
| LC50 Acute fish 1 | 12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])         |
| LC50 Acute fish 2 | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])               |
| LC50 Acute fish 3 | 13400 - 15100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1    | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)                       |
| EC50 Daphnia 2    | 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])                         |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Additional information : Flammable vapors may accumulate in the container.

## SECTION 14: Transport information

|             | UN number | Proper Shipping Name | Transport hazard class(es) | Packing group | Environmental hazards |
|-------------|-----------|----------------------|----------------------------|---------------|-----------------------|
| <b>DOT</b>  | UN1170    | Ethanol solution     | 3                          | III           | Not applicable        |
| <b>IMDG</b> | UN1170    | Ethanol solution     | 3                          | III           | Not applicable        |
| <b>IATA</b> | UN1170    | Ethanol solution     | 3                          | III           | Not applicable        |

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Ethanol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. US State regulations

No additional information available

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### SECTION 16: Other information

Date of issue : 12 September 2017

SDS US (GHS HazCom 2012) - CGP

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