

# Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: May 10, 2017

Revision: May 10, 2017

## 1 Identification

- **Product identifier**
- **Trade name:** Farrier's Finish®
- **Other product identifiers:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Equine hoof protectant
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Life Data Labs, Inc.  
12290 Hwy 72  
Cherokee, AL, 35616  
Phone: +1 (256) 370-7555  
Email: cservice@lifedatalabs.com
- **Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924 (North America)  
+1 (813)248-0585 (International)

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
Flam. Liq. 4 H227 Combustible liquid.

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- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:** Not regulated.
- **Signal word:** Warning
- **Hazard statements:**  
H227 Combustible liquid.
- **Precautionary statements:**
  - P210 Keep away from flames and hot surfaces. – No smoking.
  - P280 Wear protective gloves/protective clothing/eye protection.
  - P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
  - P403+P235 Store in a well-ventilated place. Keep cool.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:** Contains Tea Tree Oil. May produce an allergic reaction.

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- **Other hazards** There are no other hazards not otherwise classified that have been identified.

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### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Components:**

57-55-6	propylene glycol	10-30%
67-63-0	propan-2-ol <ul style="list-style-type: none"> <li>⚠ Flam. Liq. 2, H225</li> <li>⚠ Eye Irrit. 2A, H319; STOT SE 3, H336</li> </ul>	1-5%
5700-49-2	ethylenediammonium diiodide <ul style="list-style-type: none"> <li>⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335</li> </ul>	1-4%
68647-73-4	Tea Tree Oil <ul style="list-style-type: none"> <li>⚠ Asp. Tox. 1, H304</li> <li>⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317</li> <li>⚠ Flam. Liq. 4, H227</li> </ul>	<1%

- **Additional information:**

For the wording of the listed Hazard Statements refer to section 16.

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

### 4 First-aid measures

- **Description of first aid measures**

- **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

- **After skin contact:**

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Do not induce vomiting; immediately call for medical help.

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

- **Most important symptoms and effects, both acute and delayed:**

Slight irritant effect on eyes.

Gastric or intestinal disorders when ingested.

Nausea in case of ingestion.

May be harmful if inhaled.

- **Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

### 5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

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- **For safety reasons unsuitable extinguishing agents:** Water stream.
- **Special hazards arising from the substance or mixture**
  - Combustible liquid.
  - Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**
  - Wear self-contained respiratory protective device.
  - Wear fully protective suit.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  - Particular danger of slipping on leaked/spilled product.
  - For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions**
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Methods and material for containment and cleaning up**
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
  - Open and handle receptacle with care.
  - Use only in well ventilated areas.
  - Avoid contact with the eyes and skin.
  - Keep out of reach of children.
- **Information about protection against explosions and fires:**
  - Combustible liquid.
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
  - Avoid storage near extreme heat, ignition sources or open flame.
  - Store only in the original receptacle.
- **Information about storage in one common storage facility:**
  - Store away from foodstuffs.
  - Store away from oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

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· **Specific end use(s)** No relevant information available.

## 8 Exposure controls/personal protection

· **Control parameters**· **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

### 57-55-6 propylene glycol

WEEL (USA)	Long-term value: 10 mg/m <sup>3</sup>
EV (Canada)	Long-term value: 155* 10** mg/m <sup>3</sup> , 50* ppm *vapour and aerosol;**aerosol only

### 67-63-0 propan-2-ol

PEL (USA)	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL (USA)	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV (USA)	Short-term value: 984 mg/m <sup>3</sup> , 400 ppm Long-term value: 492 mg/m <sup>3</sup> , 200 ppm BEI
EL (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm
EV (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm
LMPE (Mexico)	Short-term value: 400 ppm Long-term value: 200 ppm A4, IBE

· **Ingredients with biological limit values:**

### 67-63-0 propan-2-ol

BEI (USA)	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
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· **Exposure controls**· **Engineering measures** No special measures required.· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Do not inhale gases / fumes / aerosols.

· **Engineering controls:** No relevant information available.· **Breathing equipment:**

Use suitable respiratory protective device when aerosol or mist is formed.

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For spills, respiratory protection may be advisable.

- **Protection of hands:**



Protective gloves

Gloves are advised for repeated or prolonged contact.

Wear protective gloves to handle contents of damaged or leaking units.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing

- **Limitation and supervision of exposure into the environment**

No relevant information available.

- **Risk management measures** See Section 7 for additional information.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **Appearance:**

· <b>Form:</b>	Liquid
· <b>Color:</b>	Amber colored
· <b>Odor:</b>	Pleasant
· <b>Odor threshold:</b>	Not determined.

· <b>pH-value:</b>	6.08
· <b>Melting point/Melting range:</b>	Not determined.
· <b>Boiling point/Boiling range:</b>	Not determined.

- **Flash point:** 62 °C (144 °F) (Pensky-Martens)

- **Flammability (solid, gaseous):** Not applicable.

- **Auto-ignition temperature:** Not determined.

- **Decomposition temperature:** Not determined.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits**

· <b>Lower:</b>	2 Vol % (propan-2-ol)
· <b>Upper:</b>	12 Vol % (propan-2-ol)

- **Vapor pressure:** Not determined.

- **Density:**

· <b>Relative density:</b>	1.108
· <b>Vapor density:</b>	Not determined.

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<b>Evaporation rate:</b>	Not determined.
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· <b>Solubility in / Miscibility with Water:</b>	Not determined.
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· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
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· <b>Viscosity</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Other information</b>	No relevant information available.

## 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- **Possibility of hazardous reactions**  
Reacts with strong oxidizing agents.  
Combustible liquid.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** Oxidizers
- **Hazardous decomposition products**  
Carbon monoxide and carbon dioxide  
Iodine compounds

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· <b>LD/LC50 values that are relevant for classification:</b>
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<b>68647-73-4 Tea Tree Oil</b>		
Oral	LD50	1900 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)

- **Primary irritant effect:**
- **On the skin:** Caustic effect on skin and mucous membranes.
- **On the eye:** Strong caustic effect.
- **Sensitization:**  
No sensitizing effects known.  
Sensitizing effect by skin contact is possible with prolonged exposure.

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- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

- **Probable route(s) of exposure:**

Eye contact.

Skin contact.

- **Repeated dose toxicity:** Sensitizing effect by skin contact is possible with prolonged exposure.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

- **Carcinogenicity:** Based on available data, the classification criteria are not met.

- **Reproductive toxicity:** Based on available data, the classification criteria are not met.

- **STOT-single exposure:** Based on available data, the classification criteria are not met.

- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

- **Aspiration hazard:** Based on available data, the classification criteria are not met.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity** No relevant information available.

- **Persistence and degradability** No relevant information available.

- **Bioaccumulative potential:** No relevant information available.

- **Mobility in soil:** No relevant information available.

- **Additional ecological information**

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Other adverse effects** No relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packagings**

- **Recommendation:** Disposal must be made according to official regulations.

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· Recommended cleansing agent: Water only.

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## 14 Transport information

· UN-Number	
· DOT	Not regulated. Classified as combustible under US DOT regulations. Labeling is only required for single packages $\geq$ 119 US gal / 450 L.
· ADR, IMDG, IATA	Not regulated.
· UN proper shipping name	
· DOT, ADR, IMDG, IATA	Not regulated.
· Transport hazard class(es)	
· DOT, ADR, IMDG, IATA	
· Class	Not regulated.
· Packing group	
· DOT, ADR, IMDG, IATA	Not regulated.
· Environmental hazards	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

### · Section 302 (extremely hazardous substances):

None of the ingredients are listed.

### · Section 304 (emergency release notification):

None of the ingredients are listed.

### · Section 355 (extremely hazardous substances):

None of the ingredients are listed.

### · Section 313 (Specific toxic chemical listings):

67-63-0 | propan-2-ol

### · TSCA (Toxic Substances Control Act)

All ingredients are listed.

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· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** May 10, 2017 / -

· **Abbreviations and acronyms:**

LDLo: Lowest Lethal Dose Observed  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bio-accumulable, Toxique  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 BEI: Biological Exposure Limit  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Flam. Liq. 4: Flammable liquids – Category 4  
 Acute Tox. 4: Acute toxicity – Category 4  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
 Skin Sens. 1B: Skin sensitisation – Category 1B  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 Asp. Tox. 1: Aspiration hazard – Category 1

· **Sources**

Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu))  
 Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do))

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Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://www.cas.org))

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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