

# Material Safety Data Sheet

**Date:** March 26,2013

**Name of Product:** KOPPER KARE, KOPPERSOL

**Product Information:** Topical Liquid

**Product Code:** 10L-KKARE

**D.I.N.:** 00603481 (Drug Identification Number)

**Manufacturer/Supplier:** Dominion Veterinary Laboratories Ltd.  
1199 Sanford Street  
Winnipeg, Manitoba R3E 3A1  
Telephone: (204) 586-3484  
Fax: (204) 943-9612

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## Product Identification

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**Product Use:** Kopper Kare is used in the treatment of foot rot on cattle and sheep; thrush, hoof punctures and cracked hooves in horses; ringworm; wounds; after dehorning; as a pad toughener in dogs; and also for spongy hooves. It is a fungicide-antiseptic-astringent liquid.

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**Chemical Identity:** Blend

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**CAS No. and Name:**

Mineral Spirits: 8052-41-3  
8% Copper Naphthenate: 1338-02-9

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**Formula and M. Wt.:** Blend

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## Regulatory Section

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**WHMIS Classification:**

8% Copper Naphthenate: Flammable Liquid, Class 3  
Mineral Spirits: Flammable Liquid, Class 2

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**TDG Classification:** Flammable Liquid, n.o.s. (Petroleum Distillates)  
Class 3  
UN 1993  
Packing Group III

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## Hazardous Ingredients of Material

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### Hazardous Ingredients:

Mineral Spirits: Light Distillate, Trimethyl Benzene  
8% Copper Naphthenate

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Chemical Identity	CAS#/NA#/UN#	Conc. (w/w)	LD50
8% Copper Naphthenate	13380206 / 1306	70-90%	5050 mg/kg (oral rat)
Mineral Spirits	80454135	N/A	5000 mg/kg (oral rat)

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### Physical / Properties Data

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**Physical State:** Partially slurried liquid.

**Appearance and Odour:** Dark green liquid; paint like odour.

**Odour Threshold:** 8% Copper Naphthenate: N/A      **Boiling Pt. (Deg. C):** N/A  
Mineral Spirits: N/A

**Specific Gravity:** 0.872      **Freezing Pt. (Deg. C):** N/A

**Vapour Pressure:** N/A      **pH:** N/A

**Evaporation Rate:** N/A      **Water Solubility:** Not soluble in water

### Reactivity Data

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**Chemical Stability:** N/A

**Incompatible Substances:** Strong oxidizing agent

**Conditions of Reactivity:** N/A

**Hazardous Decomposition Products:** N/A

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## Fire or Explosion Hazards

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**Conditions of Flammability:** Flammable with source of ignition.

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**Means of Extinction:**

Large Fires: Use an all purpose type AFFF foam according to foam manufacturer's recommended techniques. The foam supplier should be consulted for recommendation regarding foam types and delivery rates for specific applications.

Small Fires: Use carbon dioxide or dry chemical media.

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**Flash Point and Method of Determination:** (Deg. C) 52 Deg. C (Pensky-Martens)

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**Upper Flammable Limit:** N/A

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**Lower Flammable Limit:** N/A

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**Auto-Ignition Temperature:** N/A

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**Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide and Smoke  
Light Distillate, Trimethyl Benzene

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**Explosion Data - Sensitivity to Mechanical Impact:** Stable

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**Explosion Data - Sensitivity to Static Discharge:** Material will accumulate static charge which may cause an incendiary electrical discharge.

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## Effects of Acute Exposure

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**Route of Entry:**

Skin Contact: Minimal absorption.

Eye Absorption: Slightly irritating but should not injure eye tissue.

Inhalation: Prolong or repeated exposure to high vapor concentrations may cause headache, nausea and/or dizziness.

Ingestion: High toxicity.

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**Effects of Chronic Exposure:** Prolong or repeated exposure to high vapor concentration may cause headache, nausea and/or dizziness.

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## Toxicological and Health Data

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**Exposure Limits:** N/A

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**Irritancy of Product:** Prolong or frequent contact may irritate the skin and cause dermatitis.

Skin:

Eye: Slight irritating but should not injure eye tissue.

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**Sensitization to Material:** N/A

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**Carcinogenicity:** N/A

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**Reproductive Toxicity:** N/A

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**Teratogenicity:** N/A

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**Mutagenicity:** N/A

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**Toxicological Synergistic Products:** N/A

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## Preventive Measures

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**Personal Protective Equipment:** Safety glasses, impermeable rubber gloves, synthetic apron, respirator or a half mask air purifying cartridge respirator.

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**Engineering Controls:** Local mechanical exhaust ventilation capable of maintaining emissions at the point of use below the lowest PEL.

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**Handling Procedures and Equipment:** Avoid heat, sparks, and open flames.

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**Storage Requirements:** Store in a cool, dry, well ventilated place away from incompatible materials, vent container frequently and more often in warm weather to relieve pressure. Protect material from direct electrical spark (ignition source).

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**Special Shipping Information:** No special shipping requirements.

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## First Aid Measures

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**Skin Contact:** Wash with soap and a large amount water. Removed severely contaminated clothing (including shoes) and launder before use.

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**Eye Contact:** Flush eyes with large amount of water for 15 minutes. If irritation persists, get medical attention.

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**Inhalation:** Remove to fresh air, restore breathing if required.

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**Ingestion:** If swallowed, see a physician immediately.

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## Environmental Protection Data

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**Procedures for Handling Leaks or Spills:** Eliminate source of ignition. Keep public away. Prevent additional discharge of material, if possible to do so without hazard. Prevent spills from entering sewers, water courses, or low areas. Contain spilled liquid with sand or earth, soak up with natural or synthetic absorbent. Do not use combustible materials such as saw dust. Recover by pumping (use an explosion proof motor or hand pump) or by using a suitable absorbent.

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**For Water Spillage:** Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in unconfined water.

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**Waste Disposal:** Dispose of by licensed and recognized operator.

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Prepared by: D. Earn

Date: **March 26,2013**

Checked by: **D Earn**

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