



SAFETY DATA SHEET
COPPER HOOF TREATMENT

Alberta Vet Laboratories Ltd.
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SAFETY DATA SHEET
Copper Hoof Treatment

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SDS Name: Copper Hoof Treatment
Product ID : SOL-CHT475
Synonyms: Copper naphthenate mixture
Chemical Family: NA
Application: For external use only on cattle, horses, sheep, goats and pigs

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(418) 656-8090 (Control Poison Center)

2. HAZARDS IDENTIFICATION

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects: Slightly hazardous in case of skin contact (irritant).
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to central nervous system (CNS). The substance may be toxic to blood, kidneys, the nervous system, peripheral nervous system. Repeated or prolonged exposure to the substance can produce target organs damage.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	Percentage (W/W)	LD50s and LC50s Route & Species:
Copper Naphthenate	37.5	Naphthenic Acids: ORAL (LD50): Acute: 3000 mg/kg [Rat]. Stoddard solvent: ORAL (LD50): Acute: >5000 mg/kg [Rat]. DERMAL (LD50): Acute: >3000 mg/kg [Rabbit]. Copper Naphthenate:

		ORAL (LD50): Acute: 2000 mg/kg [Rat]. 1897 mg/kg [Mouse].
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4. FIRST AID MEASURES

Eye Contact:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin Contact:	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear

5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing media
- In case of fire: use foam, carbon dioxide or dry agent for extinction.
 - Use of water spray when fighting fire may be inefficient.
- 5.2 Special hazards arising from the substance or mixture
- Smoke from fires is toxic. Take precautions to protect personnel from exposure.
 - Uniform Fire Code: Combustible Liquid III-B
 - See Section 10.
- 5.3 Advice for firefighters
- Keep container(s) exposed to fire cool with water fog.
 - Wear chemical protection suit and positive-pressure breathing apparatus, if necessary.
 - Wear protective clothing as per Section 8.

6. ACCIDENTAL RELEASE MEASURES

Small Spill:	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill:	Insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

- Avoid inhalation of concentrated vapors.
- Avoid contact with skin and eyes.
- Do not eat, drink or smoke when using this product.
- Wash hands thoroughly after using this substance.

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed when not in use.
- Store at a temperature between 59°-86°F/15°-30°C.
- Keep out of reach of children.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location.

Personal Protection:

Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Exposure Limits:

Stoddard solvent TWA: 500 (ppm) from OSHA (PEL) [United States] TWA: 100 (ppm) from ACGIH (TLV) [United States] TWA: 350 (ppb) from NIOSH [United States] TWA: 2900 (mg/m³) from OSHA (PEL) [United States] TWA: 100 STEL: 200 (ppm) [Canada] TWA: 525 STEL: 1050 (mg/m³)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Blue-green
Odour:	Hydrocarbon
pH:	Not Available
Specific Gravity:	0.92-0.95 @ 20°C
Boiling Point:	149°C
Freezing/ Melting Point:	Not Available
Vapour Pressure:	0.4 kPa @ 20°C
Vapour Density:	4.8
% Volatile by Volume:	Not Available
Evaporation Rate:	Not Available
Solubility:	Insoluble in cold water, hot water
VOCs:	Not Available
Viscosity:	Not Available

10. STABILITY AND REACTIVITY

Stability:	The product is stable.
Instability Temperature:	Not available.
Conditions of Instability:	Heat, ignition sources, incompatible materials
Incompatibility with various substances:	Reactive with oxidizing agents. Slightly reactive to reactive with acids.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	Not available
Special Remarks on Corrosivity:	Not available.
Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Route of Entry:	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals:	Acute oral toxicity (LD50): 1897 mg/kg [Mouse]. (Copper Naphthenate). Acute dermal toxicity (LD50): >3000 mg/kg [Rabbit]. (Stoddard solvent).
Chronic Effects on Humans:	Contains material which may cause damage to the following organs: blood, kidneys, the nervous system, peripheral nervous system.
Other Toxic Effects on Humans:	Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals:	Lethal Dose/Conc: LD [Rat] - Route: Inhalation (mist); Dose: >5500 mg/m ³ /4H (Stoddard solvent)
Special Remarks on Chronic Effects on Humans:	Not available.
Special Remarks on other Toxic Effects on Humans:	Acute Potential Health Effects: Skin: It may cause skin irritation. Eyes: Contact may cause eye irritation. Contact may also cause conjunctivitis. Vapors may be irritating to the eyes. Inhalation: This product may cause upper respiratory tract, irritation. Excessive inhalation of this product's vapors, which contains Mineral Spirits (Stoddard solvent), may affect behavior/central nervous system and cause dizziness, drowsiness, somnolence, convulsions, tremors, passing-out, impairment of short-term memory, loss of coordination and judgement, personality changes (irritability), fatigue, sleep disturbances, headache, giddiness, fatigue, headache, stupor, unconsciousness, followed by coma. It can also affect the nerves supplying internal organs (autonomic nerves) and/or peripheral nerves to the legs and arms (weakness, "pins and needles")It can also cause nausea and vomiting, chest pain, difficulty breathing. It may also affect the liver and kidneys. Ingestion: Slightly toxic. Ingestion of copper salts may produce vomiting, metallic taste, headache, cold sweats, shock, jaundice, swollen

liver, kidney damage, CNS depression, and death from CNS depression, or delayed death from kidney or liver failure. Whether such serious effects occur following copper naphthenate ingestion is unknown.

Chronic Potential Health Effects: Ingestion: Prolonged or repeated ingestion may cause anemia. Skin: Prolonged or repeated skin contact may cause drying and cracking of the skin (defatting) dermatitis, irritation, skin ulcers or pruritic eczema. Inhalation: Repeated or prolonged inhalation can affect behavior/central nervous system with symptoms similar to that of acute inhalation. It may also cause kidney damage and affect the blood (normocytic anemia)

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not available.
BOD5 and COD:	Not available.
Products of Biodegradation:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation:	Not available.
Special Remarks on the Products of Biodegradation:	Not available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION

- 14.1 UN Number
 - Not classified as hazardous for transport
- 14.2 UN Proper Shipping Name
 - Not applicable
- 14.3 Transport hazard class(es)
 - Not applicable
- 14.4 Packing group
 - Not applicable
- 14.5 Environmental hazards
 - Not Classified
- 14.6 Special precautions for user
 - Not Classified
- 14.7 Domestic Surface Transport (US DOT)
 - Proper Shipping Name: Not applicable
 - DOT UN No.: Not applicable
 - DOT Hazard Class: Not applicable

- DOT Packing Group: Not applicable
- 14.8 International Road/Rail (ADR/RID)
 - Proper Shipping Name: Not applicable
 - ADR UN No.: Not applicable
 - ADR Hazard Class: Not applicable
 - ADR Packing Group: Not applicable
 - Tunnel Code: Not applicable
- 14.9 Ocean/Sea (IMO/IMDG)
 - Proper Shipping Name: Not applicable
 - IMDG UN No.: Not applicable
 - IMDG Hazard Class: Not applicable
 - IMDG Packing Group: Not applicable
- 14.10 Air (ICAO/IATA)
 - Proper Shipping Name: Not applicable
 - ICAO UN No.: Not applicable
 - ICAO Hazard Class: Not applicable

15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- The labeling requirements of the Federal Food, Drug, and Cosmetic Act differ from the classification criteria and hazard information required for safety data sheets and for workplace labels under the OSHA Hazard Communication Standard 29 CFR 1910.1200. Following is the hazard information as required on the drug label:
KEEP OUT OF REACH OF CHILDREN
For Animal Use Only/Not for Human Use
- NDC: 59051-8848-9
- 15.2 United States Regulatory Information SARA 302
Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components
The material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312
No SARA Hazards
Toxic Substance Control Act (TSCA)
All components of this material are either listed or exempt from listing on the TSCA Inventory.
- 15.3 Canadian Regulatory Information
- This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR). The labelling may differ subject to the requirements of the Food and Drugs Act (FDA).
 - Inventory Status

Domestic Substances List (DSL)	Listed Non-Domestic
Substances List (NDSL)	Not listed

Protective Equipment: Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.



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16. OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Solvet be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Solvet has been advised of the possibility of such damages.

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR

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