

MATERIAL SAFETY DATA SHEET

KOPERTOX

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

Product Identifier: KOPERTOX
Relevant identified use of the mixture Veterinary use only
ACVM Code: A001475
EPA Approval Code: HSR001559

Details of the supplier of the safety data sheet:

Company name: Ethical Agents Veterinary Marketing Limited
Company Address: 54 Hobill Avenue
Wiri,
Auckland 2104,
New Zealand
Tel: +64 9 262 1388
Fax: +64 9 262 1411
Email: info@ethicalagents.co.nz
Website: www.eavm.nz
Emergency telephone number: Poisons Information Centre - New Zealand ph: 0800 POISON
(0800 764 766)

SECTION 2 – HAZARDS IDENTIFICATION

Appearance: Green Oily Liquid

Classification of the Substance or Mixture
GHS - Classification Aspiration Toxicity: Category 1
Acute aquatic toxicity: Category 1
Aquatic toxicity: Category 1
Flammable liquids- Category 3

EU Classification:
EU Indication of danger: N - Dangerous for the environment
EU Symbol: T, N
EU Risk Phrases: R10 - Flammable.
R22 - Harmful if swallowed.
R50/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Signal Word: Danger

Hazard Statements: H226 - Flammable liquid and vapor
H410 - Toxic to aquatic life with long lasting effects

Precautionary Statements: P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P233 - Keep container tightly closed

P240 - Ground/Bond container and receiving equipment

P241 - Use explosion- proof electrical/ ventilating/ lighting/ equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301+ P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician

P331 - Do NOT induce vomiting

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P308 + P313 - IF exposed or concerned: Get medical attention/advice

P370 + P378 - In case of fire: Use dry chemical, CO₂, foam for extinction

P391 - Collect spillage

P403 + P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/container in accordance with all local and national regulations



Other Hazards

Short Term:

Vapors may cause drowsiness and dizziness.

Hazard Classification (NOHSC):

Hazardous Substance. Dangerous Goods.

Note: This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

SECTION 3 – COMPOSITION/INFORMTION ON INGREDIENTS

Ingredient	CAS Number
Copper Naphthenate	1338-02-9
Cod Liver Oil	8001-69-2

Additional Information:

Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

For the full text of the R phrases and CLP/GHS abbreviations mentioned in this Section, see Section 16

SECTION 4 – FIRST AID MEASURES

Description of First Aid Measures:

Eye Contact:	Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.
Skin Contact:	Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.
Ingestion:	Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.
Inhalation:	Remove to fresh air and keep patient at rest. Seek medical attention immediately.

Most Important Symptoms and Effects, Both Acute and Delayed Symptoms and Effects of Exposure:

For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.

Medical Conditions

Aggravated by Exposure: None known

Indication of the Immediate Medical Attention and Special Treatment Needed

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media:	Extinguish fires with CO ₂ , extinguishing powder, foam, or water
Special Hazards Arising from the Substance or Mixture:	
Hazardous Combustion Products:	Formation of toxic gases is possible during heating or fire.
Fire / Explosion Hazards:	Flammable liquid and vapor
Advice for Fire-Fighters:	During all firefighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure. Eliminate all sources of ignition and ventilate area using explosion-proof equipment.

Environmental Precautions: Place waste in an appropriately labelled, sealed container for disposal. Care should be taken to avoid environmental release.

Methods and Material for Containment and Cleaning Up:

Measures for Cleaning / Collecting: Contain the source of the spill if it is safe to do so. Absorb spills with non-combustible absorbent material and transfer into a labelled container for disposal.

Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling Keep away from heat, sparks, flame and all other sources of ignition. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Refer to Section 12 - Ecological Information, for information on potential effects on the environment. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

Conditions for Safe Storage, Including any Incompatibilities Storage Conditions: Store as directed by product packaging. Keep away from heat and sources of ignition. Store away from direct sunlight.

Specific end use(s): No data available

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes.

Personal Protective Equipment: Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

Hands: Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.

Eyes: Wear safety glasses or goggles if eye contact is possible.

Skin: Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Green

Odor: No data available.

Odor Threshold: No data available.

Molecular Formula: Mixture

Molecular Weight: Mixture

Solvent Solubility:	No data available
Water Solubility:	No data available
pH:	No data available.
Melting/Freezing Point (°C):	No data available
Boiling Point (°C):	No data available.
Partition Coefficient: (Method, pH, Endpoint, Value)	No data available
Decomposition Temperature (°C):	No data available.
Evaporation Rate (Gram/s):	No data available
Vapor Pressure (kPa):	No data available
Vapor Density (g/ml):	No data available
Relative Density:	No data available
Viscosity:	No data available

Flammability:

Autoignition Temperature (Solid) (°C):	No data available
Flammability (Solids):	No data available
Flash Point (Liquid) (°C):	45°C
Upper Explosive Limits (Liquid) (% by Vol.):	5
Lower Explosive Limits (Liquid) (% by Vol.):	0.8

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable under normal conditions of use.
Possibility of Hazardous Reactions:	
Oxidizing Properties:	None
Conditions to Avoid:	Keep away from heat, spark, flames and all other sources of ignition.
Incompatible Materials:	As a precautionary measure, keep away from strong oxidizers
Hazardous Decomposition Products:	No data available

SECTION 11 – TOXICOLOGICAL INFORMATION**Information on Toxicological**

Effects General Information: The information included in this section describes the potential hazards of the individual ingredients.

Acute Toxicity: (Species, Route, End Point, Dose)

COPPER NAPHTHENATE Rat Oral LD50 2000 mg/kg

Acute Toxicity Comments: A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

SECTION 12– ECOLOGICAL INFORMATION

Environmental Overview: The environmental characteristics of this mixture have not been fully evaluated. Releases to the environment should be avoided. See aquatic toxicity data for individual components below:

Toxicity:

Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

COPPER NAPHTHENATE

Lepomis macrochirus (Bluegill Sunfish)	LC50	96 Hours	3.1 mg/L
Oncorhynchus mykiss (Rainbow Trout)	LC50	96 Hours	1.1 mg/L
Daphnia Magna (Water Flea)	EC50	48 Hours	0.34 mg/L
Persistence and Degradability:	No data available		
Bio-accumulative Potential:	No data available		
Mobility in Soil:	No data available		

SECTION 13– DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

SECTION 14– TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

This material is regulated for transportation as a hazardous material/dangerous good.

UN number:	UN 3010
UN proper shipping name:	Flammable Liquid, (Copper Naphthenate)
Transport hazard class(es):	6.1
Packing group:	III
Flash Point (°C):	45 (open cup)

For small quantities, limited to inner packaging less than or equal to 5.0L (1.3 gal) and outer packaging less than or equal to 30 kg (66 lb.) gross weight, the following may be used: If your commodity meets the MATERIAL SAFETY DATA SHEET

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definition of a limited quantity and is packaged for retail sale, it may be considered a consumer commodity and excepted from additional requirements as applicable.

SECTION 16– OTHER INFORMATION

Text of R phrases and GHS Classification abbreviations mentioned in Section 3

Safety, Health and Environmental

Flammable liquids-Cat.3:	H226 - Flammable liquid and vapor
Acute toxicity, oral-Cat.4:	H302 - Harmful if swallowed
Skin corrosion/irritation-Cat.2:	H315 - Causes skin irritation
Serious eye damage/eye irritation-Cat.1:	H318 - Causes serious eye damage
Specific target organ toxicity, single exposure; Respiratory tract irritation-Cat.3:	H335 - May cause respiratory irritation
Specific target organ toxicity, single exposure; Narcotic Effects-Cat.3:	H336 - May cause drowsiness and dizziness
Aspiration hazard-Cat.1:	H304 - May be fatal if swallowed and enters airways
Hazardous to the aquatic environment, acute toxicity-Cat.1:	H400 - Toxic to aquatic life
Hazardous to the aquatic environment, chronic toxicity-Cat.1:	H410 - Toxic to aquatic life with long lasting effects
N -	Dangerous for the environment
T -	Toxic
Xi -	Irritant
Xn -	Harmful
R10 -	Flammable.
R22 -	Harmful if swallowed.
R41 -	Risk of serious damage to eyes.
R65 -	Harmful: may cause lung damage if swallowed.
R67 -	Vapors may cause drowsiness and dizziness.
R37/38 -	Irritating to respiratory system and skin.
R50/53 -	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Data Sources:	The data contained in this MSDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.
Reasons for Revision:	Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking. Updated Section 2 - Hazard Identification. Updated Section 4 - First Aid Measures. Updated Section 5 - Fire Fighting Measures. Updated Section 6 - Accidental Release Measures. Updated Section 7 - Handling and Storage. Updated Section 8 - Exposure Controls / Personal Protection. Updated Section 15 - Regulatory Information.
Prepared by:	Toxicology and Hazard Communication Ethical Agents Limited

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