



SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION:

Product Identifier: Hoof Kap

Other Means of Identification: Mixture

Emergency Phone Number: 877-378-7745

Effective Date: July 12, 2022

Product Use:

Dermatophilosis Deterrent

Recommended restrictions: None known.

Supplier Name & Address:

FLOCHEM LTD.

6986 Wellington Rd. 124,
Guelph, Ontario Canada N1H 6J4

SECTION 2 - HAZARDS IDENTIFICATION:

Hazard Classification:

Light blue/green liquid. Antiseptic odor.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian

WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification

Serious eye damage/eye irritation - Category 1

Skin Corrosion/Irritation - Category 2

Label elements

Hazard pictogram(s)



Signal Word: DANGER

Precautionary Statements – GHS

Causes serious eye damage.

Causes skin irritation.

Precautionary statement(s)

Wash thoroughly after handling.

Wear protective gloves and eye/face protection.

If on skin: Wash with plenty of water.

If skin irritation occurs, get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Other hazards

Other hazards which do not result in classification:

May cause respiratory irritation. Environmental precautions: Very toxic to aquatic life with long lasting effects. See Section 12 for more environmental information.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS:

<u>Chemical name</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Copper sulphate	7758-99-8	5.0 - 10.0
Zinc sulphate, monohydrate	7446-19-7	5.0 - 10.0
Citric acid	77-92-9	1.0 - 5.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES:

Description of First Aid Measures:

Description of first aid measures

Do NOT induce vomiting. Have victim rinse mouth with water, then give one to two glasses of water to drink. Never give anything by mouth to an unconscious person.

Call a physician.

Ingestion:

If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Obtain medical attention if symptoms develop and persist.

Inhalation:

Wash with water and soap as a precaution. If irritation or symptoms develop, seek medical attention.

Skin contact:

Immediately flush eyes with plenty of water for at least 20 minutes. If irritation persists, seek prompt medical attention.

Eye contact:

Most important symptoms and effects, both acute and delayed:

Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin. Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis. Permanent eye damage including blindness could result.

Oxidizing properties: Not applicable
Explosive properties: Not applicable.
Vapour pressure: Not available.
Vapour density: Not available.
Relative density / Specific gravity
Solubility in water: Not available.
Other solubility (ies : Not available.
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution: Not available
Auto-ignition temperature: Not applicable.
Decomposition temperature: Not available.
Viscosity: Not available.
Volatiles (% by weight): Not available.
Volatile organic Compounds (VOC's): Not available.
Absolute pressure of container: Not available.
Flame projection length: Not available. None known or reported by the manufacturer.

SECTION 10 - STABILITY & REACTIVITY:

Potential Health Effects:

Reactivity:

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions:

No dangerous reaction known under conditions of normal use. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation.

Conditions to avoid

Incompatible materials: See Section 7 (Handling and Storage) for further details.

None known, refer to hazardous combustion products in Section 5.

SECTION 11 - TOXICOLOGICAL INFORMATION:

Information on likely routes of exposure:

SECTION 11. TOXICOLOGICAL INFORMATION

YES

Routes of entry skin & eye: YES

Routes of entry Ingestion: YES

Routes of exposure skin absorption: NO

Sign and symptoms Inhalation

May cause respiratory irritation. Symptoms may include sore throat, running nose and shortness of breath.

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure:

Sign and symptoms ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skin: Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin.

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

SECTION 5 - FIRE FIGHTING MEASURES:

Extinguishing Media:

Extinguishing media:

Suitable extinguishing media

Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

Burning may produce irritating, toxic and obnoxious fumes.

Special hazards arising from the substance or mixture / Conditions of flammability

Flammability classification (OSHA 29 CFR 1910.106)

Not flammable.

Zinc oxide; Carbon oxides; Copper oxides

Hazardous combustion products

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedure:

ACCIDENTAL RELEASE MEASURES

Environmental precautions: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. Ventilate area of release. Stop spill or leak at source if safely possible. Dike for water control. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).

Methods and material for containment and cleaning up:

Special spill response procedures: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

US CERCLA Reportable quantity (RQ): See section 15.

SECTION 7 - HANDLING & STORAGE:

Precautions for safe handling:

SECTION 7. HANDLING AND STORAGE

Conditions for safe storage: Store in a cool, dry, well-ventilated area. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel.

Incompatible materials: Acids; Metals; Strong oxidizing agents.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION:

Exposure controls

Ventilation and engineering measures:

Use in a well-ventilated area. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection: Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust and/or fumes). Advice should be sought from respiratory protection specialists.

Skin protection: Wear protective gloves. Advice should be sought from glove suppliers.

Wear eye/face protection. Chemical goggles must be worn to prevent dusts from entering the eyes.

Eye / face protection: Wear eye/face protection. Chemical goggles must be worn to prevent dusts from entering the eyes.

Other protective equipment: Wear sufficient clothing to prevent skin contact. Depending on conditions of use, an impervious apron should be worn. An eyewash station and safety shower should be made available in the immediate working area.

General hygiene considerations: Avoid contact with skin, eyes and clothing. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES:

Appearance: Light blue/green liquid.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Odor: Antiseptic odor.

Odor threshold : N/A

pH: 3-4

Melting/Freezing point: -2°C

Not available.

Flash point : Not Applicable (Does not burn)

Flashpoint (Method): Not applicable

Evaporation rate (BuAe = 1): Not available.

Flammability (solid, gas): Not applicable.

Lower flammable limit (% by vol.): Not applicable

Upper flammable limit (% by vol.) : Not applicable

Sign and symptoms eyes: Causes severe eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis. Permanent eye damage including blindness could result.

Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

Potential Chronic Health Effects

Mutagenicity: Not expected to be mutagenic in humans.

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

Not expected to cause reproductive effects.

Sensitization to material: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects: This material is not classified as hazardous under U.S. OSHA regulations (29CFR

1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Medical conditions aggravated by overexposure: None known.

Synergistic materials: Not available.

There is no data available for this product. The calculated ATE values for this mixture are: ATE oral = 2564.10 mg/kg

Other important toxicological hazards: None known or reported by the manufacturer.

SECTION 12 - ECOLOGICAL CONSIDERATIONS:

Ecotoxicity

Very toxic to aquatic life with long lasting effects. Do not allow this material to drain into sewers/water supplies. See below for individual ingredient ecotoxicity.

Mobility in soil: No data is available on the product itself. No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Other Adverse Environmental effects: Not available.

SECTION 13- DISPOSAL CONSIDERATIONS:

Handling for Disposal: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose in accordance with all applicable federal, state, provincial and local regulations.

Methods of Disposal:

RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 - TRANSPORT INFORMATION:

Not regulated by Transportation of Dangerous Goods.

SECTION 15 - REGULATORY INFORMATION:

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Serious eye damage, Skin irritation. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

SECTION 16 - OTHER INFORMATION:

Disclaimer:

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO THE BEST OF OUR KNOWLEDGE, TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF.

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Beyond what's required.