

Date of issue: 13 March 2024
 Revised by: Simonne Moses - HSNO Consultant SDS No: 2

Safety Data Sheet

FIL FOOTROT AEROSOL

Classified as: Hazardous according to the EPA Hazardous Substances
 (Hazard Classifications) Notice 2020.

Section 1: SUBSTANCE AND SUPPLIER DETAILS

Product Name: FIL Footrot Aerosol

Supplier: FIL is a wholly owned subsidiary of
 GEA Farm Technologies New Zealand Ltd

Address: 72 Portside Drive
 Mt Maunganui 3116
 New Zealand

Phone: +64 7 575 2162

Website: www.fil.co.nz

Recommended Use: Treatment of footrot in farm animals

In Case of Emergency Contact:

CHEMCALL: 0800 CHEMCALL (243 622)

Section 2: HAZARDS IDENTIFICATION

Classified as a Dangerous Good for Transport.

Classified as hazardous according to criteria in the EPA Hazardous Substances (Hazard Classifications) Notice 2020.

HSNO APPROVAL NUMBER: **HSR001967**

HSNO CLASSIFICATIONS: 2.1.2A – Flammable aerosol
 6.4A – Irritating to eyes
 9.1A – Very ecotoxic in the aquatic environment, acute
 9.1A – Very ecotoxic in the aquatic environment, chronic

GHS Classification: Aerosol – Category 1
 Eye irritation – Category 2
 Hazardous in the aquatic environment, acute – Category 1
 Hazardous in the aquatic environment, chronic – Category 1

Hazard Statements:

- H222 Extremely flammable aerosol
- H229 Pressurised container: may burst if heated
- H319 Causes serious eye irritation
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long-lasting effects

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GHS Pictograms:



DANGER

PREVENTION STATEMENTS:

- P102 Keep out of reach of children.
- P103 Read label before use.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurised container. Do not pierce or burn, even after use.
- P264 Wash hands thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear eye/face protection.

RESPONSE STATEMENTS:

- P101 If medical advice is needed, have product container or label at hand.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P391 Collect spillage.

STORAGE:

- P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.

DISPOSAL

P501 - In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Dispose of via an approved waste disposal contractor. Refer to Section 13 of the SDS.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture: Aerosol mixture containing dichlorophen

| Main Component | CAS Number | Concentration (%wt) |
|------------------------|------------|---------------------|
| Isopropyl Alcohol | 67-63-0 | 30-60% |
| Hydrocarbon propellant | 68476-85-7 | 30-60% |
| Dichlorophen | 97-23-4 | 5% |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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Section 4: FIRST AID MEASURES

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| Workplace Facilities Required: | Eye wash facilities should be provided. |
| If Inhaled: | Remove to fresh air. Seek medical attention if symptoms persist. |
| In Contact with Eye: | Hold eyes open, flush continuously with water for at least 15 minutes. Seek medical attention if irritation develops and persists. |
| In Contact with Skin: | Wash skin with plenty of water. Seek medical attention if skin irritation develops and persists. |
| If Swallowed: | DO NOT INDUCE VOMITING. Rinse mouth. Give small quantities of water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms develop and persist. If vomiting occurs, keep head below hips to prevent aspiration to lungs. |
| Advice to Doctor: | Treat symptomatically. |

Section 5: FIRE FIGHTING MEASURES

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| Fire/Explosion Hazard: | Extremely flammable aerosol. Keep away from heat, flames, hot surfaces, sparks. May explode when heated. Remove containers from path of fire if possible and safe to do so. Cool fire exposed containers with water spray. |
| Suitable Extinguishing Media: | Use water fog or spray, foam, carbon dioxide or dry powder. |
| Precautions in Connection with Fire: | May give off choking fumes in a fire. |
| Advice for firefighters: | Wear full firefighting gear and self-contained breathing apparatus. Contain fire water. |

Section 6: ACCIDENTAL RELEASE MEASURES

An emergency response plan meeting the requirements of Part 5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017 is required when held in quantities greater than 100L.

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| Precautions: | Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Remove any sources of ignition and ventilate area. Avoid release to the environment. |
| Suitable Protective Equipment: | Emergency responders should use personal protective equipment, including gloves, and safety glasses. Respiratory protection may be required if ventilation is inadequate. |
| Spill or Leak Procedures. | Wipe up any liquid spill. Damaged cans should be placed in a container outdoors, away from ignition sources and out of direct sunlight, until pressure has dissipated. Then damaged cans may be disposed of. |
| Waste Disposal Methods: | Dispose of as per Section 13. |
| Emergency preparation: | Ensure there is appropriate and adequate personal protective equipment, trained |

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personnel and clean up materials for management of accidental release.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid breathing aerosol spray. Use in a well-ventilated area. Do not eat, drink, or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas. Do not spray onto hot surfaces, into open flames or near sources of ignition. Do not puncture or burn aerosol can even when empty.

Storage: Store in a well-ventilated area. Keep away from heat, ignition sources, hot surfaces, and direct sunlight. Storage temperatures must not exceed 50°C.

Site Storage Requirements: Site Signage will be required when quantities exceed 100L. Flammable aerosols must not be stored with Class 2 flammable gases, Class 3 flammable liquids, Class 4 flammable solids, Class 5 oxidisers, or Class 8 metal corrosives.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards NZ: No Workplace Exposure Standards have been established for this product. Workplace Exposure Standards have been set for the following ingredients:

Hydrocarbon propellant: TWA 1000 ppm, 1800 mg/m³
 Isopropyl Alcohol: TWA 400 ppm, 983 mg/m³, STEL 500 ppm, 1230 mg/m³

Engineering Controls: Eyewash facilities should be provided in the work area where there is a risk of exposure to eyes. Use respiratory protection if exposed to aerosol spray.

Personal Protective Equipment: Observe good chemical hygiene practice.

Hand protection: Wear protective gloves that are resistant to the product, e.g., PVC. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.

Skin and body protection: Protective clothing is recommended if handling large quantities. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing.

Eye protection: Use safety glasses with side shields or chemical goggles to protect eyes. Refer to AS/NZS 1336 for suitable eye and face protection.

Respiratory protection: Use a respirator fitted with an organic vapour cartridge when spraying. Refer to AS/NZS 1715 and AS/NZS 1716 for suitable respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information: PPE selected must be impervious to the substance. Do not eat, smoke, or drink where material is handled, processed, or stored. Wash hands carefully before eating, drinking, or smoking. Handle in accordance with safe industrial hygiene practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
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| Physical State: | Liquid in a pressurised aerosol | Colour: | Clear |
| Odour: | Alcohol | Odour Threshold: | Not available |

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| pH: | Not available | Solubility: | Miscible in water |
| Melting/Freezing Point: | Not available | Boiling Point: | Not available |
| Flash Point: | -81°C (propellant) | Flammability: | Highly flammable |
| Lower/Upper Flammability Limits: | 1.5-12 | Vapour Pressure: | Not available |
| Vapour Density: | >1 (air = 1) | Relative Density: | 0.76 |
| Partition Coefficient: | Not available | Auto-ignition Temperature: | Approx. 400°C (Isopropyl Alcohol) |
| Decomposition Temperature: | Not available | Kinematic Viscosity: | Not applicable |
| Particle Characteristics: | Not applicable | | |

Section 10: STABILITY AND REACTIVITY

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| Stability: | Stable under normal storage conditions. |
| Reactivity: | No dangerous reactions known. |
| Conditions to Avoid: | Avoid heat, sparks, ignition sources, flames, hot surfaces. Avoid accidental release of aerosol spray. Protect aerosol can from damage that may cause punctures. |
| Incompatibility: | Keep away from strong oxidisers, metal corrosives, flammable liquids, combustible materials, and strong alkalis. |
| Hazardous Decomposition: | May form toxic, choking gases when heated. |

Section 11: TOXICOLOGICAL INFORMATION

Acute Exposure

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| Acute Toxicity: | LD50 oral > 5000 mg/kg. LD50 dermal > 5000 mg/kg LC ₅₀ inhalation (vapours) > 20.0 mg/L |
| Inhalation: | Inhalation of large quantities of vapour/spray may cause asphyxiation. |
| Ingestion: | Not an expected route of exposure. |
| Skin Corrosion/Irritation: | Not expected to be a skin irritant or corrosive. |
| Serious Eye Damage/Eye Irritation: | Not an eye corrosive. Irritating to eyes. May cause redness, watering eyes. |
| Respiratory or Skin Sensitisation: | Not known to cause respiratory or contact sensitisation. |

Chronic Exposure:

| | |
|--|---|
| Mutagen/Carcinogen/Reproductive Toxicant | No chronic toxicity effects expected. |
| Specific Target Organ Toxicity Single Exposure: | No information available. No known effects. |

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Specific Target Organ Toxicity Repeated Exposure: No information available. No known effects.

Aspiration Hazard: No information available. Not expected to be an aspiration hazard.

Toxicity data is based on hazardous ingredient information and information in the EPA Chemical Classification and Identification Database.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Very ecotoxic in the aquatic environment with both short term and long-lasting effects.

LC/EC₅₀ <1 mg/L

Persistence/degradability: Not available.

Bioaccumulation: Not available

Mobility in soil: No information available.

Other adverse effects: None identified.

Ingredients with Ecotoxic classifications: This substance has been independently approved by EPA NZ and classified as hazardous in the aquatic environment category 1 acute and chronic.

Ecotoxicity data is based on information in the EPA Chemical Classification and Identification Database.

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Do not incinerate or puncture aerosols. Dispose of waste product via an approved waste disposal contractor.

Disposal of Packaging: Empty aerosol cans may still contain flammable vapours. Treat as hazardous. Dispose of packaging via an approved waste disposal contractor.

Avoid contamination of natural water supplies with the product or empty container.

Section 14: TRANSPORT INFORMATION

Classified as a Dangerous Good for transport in accordance with NZS5433:2020, IMDG or IATA.



NZS5433:2020

UN No: 1950

Proper Shipping Name: Aerosols, flammable, less than 1L capacity

Class: 2.1

Packing Group: N/A

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Environmental hazard: Yes
 Limited Quantity: 1L
 Hazchem Code: 2YE

IMDG:
 UN No: 1950
 Proper Shipping Name: Aerosols, flammable, less than 1L capacity
 Class: 2.1
 Packing Group: N/A
 Marine Pollutant: Yes
 EmS: F-D, S-U
 Limited Quantity: 1L

IATA:
 UN No: 1950
 Proper Shipping Name: Aerosols, flammable, less than 1L capacity
 Class: 2.1
 Packing Group: N/A
 Environmental hazard: Yes

Ensure transportation methods prevent leakage from packages and collapsing loads.

Section 15: REGULATORY INFORMATION

HSNO Allocation: Flammable aerosol containing 5 – 10% Dichlorophen

HSNO Approval Code: HSR001967

Classifications: Aerosol – Category 1
 Eye irritation – Category 2
 Hazardous in the aquatic environment, acute – Category 1
 Hazardous in the aquatic environment, chronic – Category 1

NZ Inventory of Chemicals: All ingredients are listed in the NZ Inventory of Chemicals.

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|---------------------------------|-------------------------|--------------------------------|
| This substance triggers: | Compliance Certificate | 3000L aggregate water capacity |
| | Certified Handler | N/A |
| | Emergency Response Plan | 100L |
| | Secondary Containment | Not applicable |
| | Signage | 100L |
| | Fire Extinguishers | 1 required for 3000L or more |

This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

Section 16: OTHER INFORMATION

The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in

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the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

This substance is approved under HSNO for use as an animal health product. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance.

All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty, express or implied is made.

SDS Issued: 13/03/2024

Supersedes: 8/08/2019

Reason for Revision: 5-year review and update.

References:

EPA NZ Chemical Classification and Information Database
EPA Guide: Guide to Classifying Hazardous Substances in New Zealand, Version 1

Summary of Abbreviations: EPA – Environmental Protection Authority
GHS – Global Harmonisation System
CAS – Chemical Abstracts Service
TWA – Time Weighted Average

END OF SAFETY DATA SHEET