

Date of issue: 14 March 2024
 Revised by: Simonne Moses - HSNO Consultant SDS No: 2

Safety Data Sheet

FIL IODOSHIELD ACTIVE

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

Section 1: SUBSTANCE AND SUPPLIER DETAILS

Product Name: FIL Iodoshield Active

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: Teat sanitiser

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: **HSR100759**

HSNO CLASSIFICATIONS: 6.3A – Skin irritant
 6.4A – Irritating to eyes
 6.5B – Skin sensitiser
 6.9B – Harmful to human target organs or systems, repeated exposure
 9.1A – Very ecotoxic in the aquatic environment, acute
 9.1A - Very ecotoxic in the aquatic environment, chronic

GHS Classification: Skin irritation – Category 2
 Eye irritation – Category 2
 Skin sensitisation – Category 1
 Specific target organ toxicant, repeated exposure – Category 2
 Hazardous in the aquatic environment, acute – Category 1
 Hazardous in the aquatic environment, chronic – Category 1

Hazard Statements:

H315 Causes skin irritation
 H319 Causes serious eye irritation
 H317 May cause an allergic skin reaction



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H373 May cause damage to organs (endocrine, kidneys, heart, nervous system) through prolonged or repeated exposure via ingestion
 H400 Very toxic to aquatic life
 H410 Very toxic to aquatic life with long lasting effects

GHS Pictograms:



WARNING

PREVENTION STATEMENTS:

- P102 Keep out of reach of children.
- P103 Read label before use.
- P260 Do not breathe mist/spray.
- P264 Wash hands, exposed skin thoroughly after handling.
- P270 Do not eat, drink, or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing, and eye/face protection.

RESPONSE STATEMENTS:

- P101 If medical advice is needed, have product container or label at hand.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P321 <No specific treatment required>
- P362 Take off contaminated clothing and wash before reuse.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- 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 attention.
- P309 + P311 If exposed or if you feel unwell: Call a POISON CENTRE or doctor.
- P391 Collect spillage.

STORAGE:

P405 Store locked up.

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: Veterinary Medicine, Teat Sanitiser

Main Component	CAS Number	Concentration (%wt)
Iodine	7553-56-2	< 5%
Sorbitol	50-70-4	> 50%

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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.

Section 4: FIRST AID MEASURES

Workplace Facilities Required:	Eye wash and safety shower 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:	Remove contaminated clothing. Wash skin with plenty of water. Seek medical attention if skin irritation develops and persists. Wash clothes before reuse.
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

Fire/Explosion Hazard:	Product is not flammable or combustible.
Suitable Extinguishing Media:	Use extinguisher suitable for surrounding environment and materials.
Precautions in Connection with Fire:	May release toxic fumes during a fire.
Advice for firefighters:	Wear full firefighting gear and self-contained breathing apparatus. Avoid release to drains and waterways.

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.

Precautions:	Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Avoid release to the environment.
Suitable Protective Equipment:	Emergency responders should use personal protective equipment, including gloves, protective clothing, and safety glasses. Respiratory protection may be required if there is inadequate ventilation.
Spill or Leak Procedures.	Absorb the spill with suitable inert absorbent material (sand, earth) and collect into a properly labelled waste container for disposal.
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 generating mists/sprays. Do not eat drink or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas.

Storage: Store locked up. Store in a closed container. Keep away from heat and direct sunlight. Store away from food and animal feed.

Site Storage Requirements: Site Signage will be required when quantities exceed 100L.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards NZ: No Workplace Exposure Standards have been established for this product. A Workplace Exposure Standard has been set for the following ingredient:

Iodine: TWA 0.01 ppm, 0.05 mg/m³, Ceiling 0.1 ppm, 1 mg/m³

Engineering Controls: Eyewash facilities and safety showers should be provided in the work area where there is a risk of exposure to eyes and skin. Natural ventilation should be adequate under normal conditions of use.

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 safety goggles to protect eyes. Refer to AS/NZS 1336 for suitable eye and face protection.

Respiratory protection: If ventilation is inadequate or use generates high concentrations of mists/spray, then wear suitable respiratory protection. Respirator should have an organic vapour canister. 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

Physical State:	Liquid	Colour:	Dark red/brown
Odour:	Odourless	Odour Threshold:	Not applicable
pH:	2.3	Solubility:	Completely miscible
Melting/Freezing Point:	Not available	Boiling Point:	104°C

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Flash Point:	Not applicable	Flammability:	Not flammable
Lower/Upper Flammability Limits:	Not applicable	Vapour Pressure:	Not available
Vapour Density:	Not available	Relative Density:	1.17
Partition Coefficient:	Not available	Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	Not available	Kinematic Viscosity:	Not available
Particle Characteristics:	Not applicable		

Section 10: STABILITY AND REACTIVITY

Stability:	Stable under normal storage conditions.
Reactivity:	No dangerous reactions known.
Conditions to Avoid:	Avoid generating mists/sprays.
Incompatibility:	Keep away from strong oxidisers, strong reducing agents, powdered metals, alkalis.
Hazardous Decomposition:	May decompose on heating to release toxic fumes.

Section 11: TOXICOLOGICAL INFORMATION

Acute Exposure

Acute Toxicity:	LD50 oral > 5000 mg/kg. LD50 dermal > 5000 mg/kg LC ₅₀ inhalation (mist/spray) > 5.0 mg/L
Inhalation:	Not an expected route of exposure under normal use and storage conditions.
Ingestion:	Ingestion of large quantities may be harmful.
Skin Corrosion/Irritation:	Not a skin corrosive. Irritating to skin. May cause redness, itching.
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 sensitisation. Product is a contact sensitiser and may cause an allergic skin reaction.

Chronic Exposure:

Mutagen/Carcinogen/Reproductive Toxicant	No chronic toxicity effects expected.
Specific Target Organ Toxicity Single Exposure:	No information available. No known effects.
Specific Target Organ Toxicity Repeated Exposure:	Ingestion of large quantities through prolonged or repeated exposure may cause damage to thyroid, endocrine system, kidneys, cardiovascular system, or nervous system.
Aspiration Hazard:	No information available. Not expected to be an aspiration hazard.

Toxicity data is based on hazardous ingredient information and information in the

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EPA Chemical Classification and Identification Database.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Very ecotoxic in the aquatic environment with both short term and long-term 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 was independently approved by EPA NZ and classified as hazardous in the aquatic environment category 1 acute and chronic. The approval has been revoked and the substance has been reassigned to a veterinary medicines group standard.

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

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Recycle and reuse wherever possible. Dispose of waste product via an approved waste disposal contractor.

Disposal of Packaging: Dispose of packaging via an approved waste disposal contractor. Triple rinse containers when empty. Add rinse solution to use solutions.

Avoid contamination of natural water supplies with the product or empty container. After cleaning, all existing labels should be removed.

Section 14: TRANSPORT INFORMATION

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



NZS5433:2020
 UN No: 3082
 Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (contains iodine)
 Class: 9
 Packing Group: III
 Hazchem Code: 2Z

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IMDG:
 UN No: 3082
 Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (contains iodine)
 Class: 9
 Packing Group: III
 Marine Pollutant: Yes
 EmS: F-A, S-F

IATA:
 UN No: 3082
 Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (contains iodine)
 Class: 9
 Packing Group: III
 Environmental hazard: Environmentally hazardous

Ensure transportation methods prevent leakage from packages and collapsing loads.

Section 15: REGULATORY INFORMATION

Group Standard Allocation: Veterinary Medicines (Non-dispersive Open System Application) Group Standard 2020

HSNO Approval Code: HSR100759

Classifications:
 Skin irritation – Category 2
 Eye irritation – Category 2
 Skin sensitisation – Category 1
 Specific target organ toxicant, repeated exposure – 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.

This substance triggers:	Compliance Certificate	N/A
	Certified Handler	N/A
	Emergency Response Plan	100L
	Secondary Containment	100L
	Signage	100L

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 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 a veterinary medicine. 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

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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: 14/03/2024

Supersedes: 9/08/2019

Reason for Revision: 5-year review and update, changes to EPA approval.

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