

# FIL

## FIL Fleece Mark

### SAFETY DATA SHEET

Issue Date: 15-May-07

#### 1. Product and Company Identification

**Product Name:** FIL Fleece Mark  
**Proper Shipping Name:** Aerosols (less than 1000 cc)  
**Synonyms:** Fleece Mark  
**Recommended Use:** Scourable Animal marker  
**Molecular Formula:**  
**Manufacturer:** Farmers Industries (New Zealand) Limited  
**Address:** 72 Portside Drive, Mt Maunganui  
**Telephone Number:** 07 575 2162  
**Fax Number:** 07 575 2161  
**Emergency phone No: 24hr** 0508 434 569  
**Website:** [www.fil.co.nz](http://www.fil.co.nz)  
**Email:** [office@fil.co.nz](mailto:office@fil.co.nz)

#### 2. Hazards Identification

**Dangerous Goods:** 2.1

**Hazardous Substance (HSNO):**



#### **WARNING**

**HSNO Classification and**

**Hazard Statements:**

**2.1.2A Flammable Aerosol**

H223 Flammable aerosol.

**6.1D Acutely toxic substance**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

**6.3B Skin irritant**

H316 Causes mild skin irritation.

**6.4A Eye irritant**

H319 Causes serious eye irritation.

**9.1D Ecotoxic in the aquatic environment**

H413 May cause long lasting harmful effects to aquatic life.

**Prevention statements:**

P102 Keep out of reach of children.

P103 Read label before use.

P104 Read safety data sheet before use.

P210 Keep away from open flames and hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P261 Avoid breathing spray.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing and /face protection.

**Response statements:**

P101 If medical advice is needed, have product container or label at hand.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.

P331 Do NOT induce vomiting.

P332+P313 If skin irritation occurs: Get medical advice/ attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

**Storage Statements:**

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

### 3. Composition/Information on Ingredients

**Appearance:** Low viscosity liquid with solvent odour. Available in red, orange, yellow, green, blue, pink. Supplied as an aerosol pack.

**CAS No:** 142-82-5 Heptane (30-60%)  
68476-85-7 Hydrocarbon propellant (30-60%)  
Carriers, pigments etc to 100%

### 4. First Aid Measures

**Ingestion:** Call a Doctor. Rinse mouth then give a glass or two of water or milk. DO NOT induce vomiting. Seek medical attention.

**Eye Contact:** Immediately hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Do not rub the eye. Seek medical attention immediately.

**Skin Contact:** Quickly remove contaminated clothing. Wash skin with large quantities of water (and soap if available). Remove any adhering solids with industrial skin cleansing cream. DO NOT use solvents. Seek medical attention in the event of irritation.

**Inhalation:** If fumes or combustion products are inhaled remove from contaminated area immediately. Lay patient down. Keep warm and rested. Apply artificial respiration if not breathing. Seek medical attention immediately.

**Notes to Physician:** Evaluate for respiratory distress. Consider lavage with cuffed tube. DO NOT use adrenalin.

### 5. Fire-fighting Measures

**Specific Hazards:** Flammable propellant - risk of explosion if heated. May give off toxic fumes if involved in fire. Wear breathing apparatus plus protective gloves. Prevent spillage from entering drains or water. Switch off electrical equipment until vapour fire hazard removed.

**Suitable Extinguishing Media:** Small fire: Water spray, dry chemical or CO2. Large fire: Water spray or fog.

### 6. Accidental Release Measures

**Spill Cleanup Methods:** Eliminate all ignition sources. Avoid breathing vapours and contact with skin and eyes. Wear protective clothing, impervious gloves and safety glasses. Contain and recover immediately. Absorb spill with sand, earth, inert material or vermiculite. Avoid contamination of drains or waterways.

## 7. Handling and Storage

<b>Handling:</b>	Avoid all personal contact, including inhalation. Use suitable gloves, respiratory and eye protection when spraying or dusting. Use in a well-ventilated area. Avoid smoking, naked lights or ignition sources. Do not eat, drink or smoke when handling. Always wash hands with soap and water after handling. Keep containers securely sealed when not in use. Avoid physical damage to containers. Launder work clothes separately. Do not incinerate or puncture aerosol cans.
<b>Storage:</b>	Do not store with D.G classes 1, 5, 7, acids, food or food containers. Store in a cool well ventilated place, away from foodstuffs and out of reach of children. Keep dry to avoid corrosion of cans - which may result in container perforation and ejection of contents. Incompatible with explosives, oxidizing agents,

## 8. Exposure Control/Personal Protection

<b>Exposure Standards:</b>	TWA - solvent 400 ppm
<b>Engineering Controls:</b>	Use in a well-ventilated area. If risk of overexposure exists, wear approved respirator.
<b>Personal Protection:</b>	Use suitable gloves, respiratory and eye protection when spraying or dusting.

## 9. Physical and Chemical Properties

<b>Appearance and Odour:</b>	Low viscosity liquid with solvent odour. Available in Fluoro - orange, yellow, green, blue.
<b>Solubility in Water (g/l):</b>	Nil
<b>Specific Gravity:</b>	0.58-0.63
<b>Boiling Point/Melting Point (C):</b>	Not Available
<b>Vapour Pressure: (Pascals or mm of Hg @ 250C):</b>	Under pressure
<b>Flashpoint (C):</b>	-81
<b>Flammability Limits (%):</b>	Not Available
<b>pH Value:</b>	Not Available

## 10. Stability and Reactivity

<b>Stability:</b>	Stable. Pressurised aerosol can with flammable propellant. Elevated temperatures and presence of open flame could cause product to erupt. Incompatible with explosives, chlorine, phosphorus and oxidising agents.
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## 11. Toxicological Information

<b>General:</b>	Solvent and harmful vapour. May be harmful if swallowed, inhaled, gets in eyes or in prolonged skin contact. Possible accumulative long term effects.
<b>Ingestion:</b>	Irritant, emetic, purgative. Harmful in larger quantities.
<b>Eye Contact:</b>	Irritant - reddened, swollen or watering excessively.
<b>Skin Contact:</b>	Irritant - possible drying and cracking.
<b>Inhalation:</b>	Potentially harmful - causing dizziness, drowsiness. Avoid inhaling vapour and use with adequate ventilation. Heptane Inhalation-RAT LC50 103 g/m <sup>3</sup> /4h.

## 12. Ecotoxicity Information

9.1D	Heptane: Very toxic to aquatic organisms - may cause long-term damage to the environment. Avoid loss into natural waterways. LC50 Gambusia affinis (Western mosquito fish) 4924 mg/L/24, 48, 96 hr
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### 13. Disposal Considerations

**Container Disposal:** Dispose of empty containers safely - do not puncture or burn.  
Avoid contamination of any water supply with product or empty container.

**Product Disposal:** Dispose of product safely. Avoid contamination of any water supply with product or empty container.

### 14. Transport Information

**UN No:** 1950  
**Dangerous Goods Class:** 2 Dangerous goods in limited quantities  
**Hazchem Code:** 2Y  
**Packing Group:** Not Available  
**Proper Shipping Name:** Aerosols (less than 1000 cc)  
**Segregation:** Do not store with D.G classes 1, 5, 7, acids, food or food containers.  
**Limited Quantities:** 1 Litre

### 15. NZ Regulatory Information

**ERMA Approval Code:** HSR002515

**Group Standard:** Aerosols (Flammable)

**HSNO Classifications:**

2.1.2A	Flammable Aerosol
6.1D	Acutely toxic substance
6.3B	Skin irritant
6.4A	Eye irritant
9.1D	Ecotoxic in the aquatic environment

**HSNO Controls:** Trigger quantities for this substance by itself in a Place:

<b>Approved Handler Test Certificate:</b>	3000 litres
<b>Hazardous Substance Location:</b>	3000 litres
<b>Location Test Certificate:</b>	3000 litres
<b>Hazardous Atmosphere Zone</b>	3000 litres
<b>Fire extinguishers:</b>	3000 litres
<b>Emergency Plan:</b>	3000 litres
<b>Tracking:</b>	Not required
<b>Warning Sign:</b>	3000 litres
<b>Disposal:</b>	Not required

### 16. Other Information

**Issue Date:** 15-May-07

**Review Date:** 19-Jan-12 First issue

**Definitions:**

DG	Dangerous Good
LC50	Lethal concentration 50 % kill
LD50	Lethal dose 50 % kill
PEL	Permissible exposure limit
TLM24	24 hour median threshold limit
TWA	Time weighted average

*The 8-hour time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure*







