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C35855A thru F

FIL New Zealand Limited

FIL Tell Tail

SAFETY DATA SHEET

Issue Date: 19-Jan-07

1. Product and Company Identification

**Product Name:** FIL Tell Tail  
**Proper Shipping Name:** Paint / paint related material  
**Synonyms:** Cow tail paint  
**Recommended Use:** Fluorescent heat detection tail paint for dairy cows  
**Molecular Formula:** Mixture  
**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  
**Email:** info@fil.co.nz

2. Hazards Identification

Dangerous Goods: 3

Hazardous Substance (HSNO):



DANGER

**HSNO Classification and Hazard Statements:**

- 3.1C Flammable Liquid (medium hazard)
- H226 Flammable liquid and vapour.
- 6.1D Acutely Toxic Substance
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H332 Harmful if inhaled.
- 6.3A Skin Irritant
- H315 Causes skin irritation.
- 6.4A Eye Irritant
- H319 Causes serious eye irritation.
- 6.5B Sensitiser
- H317 May cause an allergic skin reaction.
- 6.6A Reproductive Intoxicant

H360 May damage fertility or the unborn child.

**9.18 Ecotoxic in the Aquatic Environment**

H411 Toxic to aquatic life with long lasting effects.

**Prevention statements:**

- P102 Keep out of reach of children.
- P103 Read label before use.
- P104 Read safety data sheet before use.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from open flames and hot surfaces. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/band 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.
- P261 Avoid breathing fumes/vapours.
- 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.
- 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.
- P281 Use personal protective equipment as required.

**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.
- P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with 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.
- P308+P313 IF exposed or concerned: Get medical advice/ attention.
  - P312 Call a POISON CENTER or doctor/physician if you feel unwell.
  - P330 Rinse mouth.
  - P331 Do NOT induce vomiting.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
  - P363 Wash contaminated clothing before reuse.
  - P391 Collect spillage.

**Storage Statements:**

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

### 3. Composition/Information on Ingredients

<b>Appearance:</b>	Bright fluoro coloured liquid (green/red/blue/orange/yellow/pink) with a mild solvent odour.	
<b>CAS No:</b>	8052-41-3	White spirit (<20%)
	142-82-5	Heptane (<10%)
	Carriers, pigments etc to 100%	

### 4. First Aid Measures

<b>Ingestion:</b>	Call a Doctor. Rinse mouth then give a glass or two of water or milk. DO NOT induce vomiting. Seek medical attention.
<b>Eye Contact:</b>	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.
<b>Skin Contact:</b>	Quickly remove contaminated clothing. Wash skin with large quantities of water (and soap if available). Seek medical attention in event of irritation.
<b>Inhalation:</b>	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.
<b>Notes to Physician:</b>	Evaluate for respiratory distress. Consider lavage with cuffed tube. NO adrenalin.

### 5. Fire-fighting Measures

<b>Specific Hazards:</b>	Liquid and vapour are flammable. May be violently or explosively reactive. Fire fighters to wear self-contained breathing apparatus and protective gloves. Vapour may travel considerable distance to source of ignition. Switch off electrical equipment until vapour fire hazard removed. Do not approach containers expected to be hot - heating may cause violent rupture of containers. On heating, may emit toxic fumes of carbon monoxide, carbon dioxide, or clouds of acrid smoke. Cool fire exposed container with water spray from a protected location. Avoid spraying water into liquid pools.
<b>Suitable Extinguishing Media:</b>	Alcohol stable foam, dry chemical powder, carbon dioxide, water spray or fog.

### 6. Accidental Release Measures

<b>Spill Cleanup Methods:</b>	Eliminate all ignition sources. Avoid breathing vapours and contact with skin and eyes. Contain and absorb small quantities with soil or other inert, absorbent material. Wipe up and collect residues in a flammable waste container. Avoid contamination of drains or waterways. Follow procedures in FIL Emergency response plan: Chemical Spill.
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### 7. Handling and Storage



**Handling:** 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.

**Storage:** 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.  
Incompatible with explosives, chlorine, phosphorus and oxidising agents.

**8. Exposure Control/Personal Protection**

**Exposure Standards:** White Spirit: TWA: 100 ppm (757 mg/m<sup>3</sup>)  
Heptane: TWA: 400 ppm (1600 mg/m<sup>3</sup>), STEL 500 ppm (2000 mg/m<sup>3</sup>)

**Engineering Controls:** Use in a well-ventilated area. If risk of overexposure exists, wear approved respirator.

**Personal Protection:** Use suitable gloves, respiratory and eye protection when spraying or dusting.

**9. Physical and Chemical Properties**

**Appearance and Odour:** Bright fluoro coloured liquid (green/red/orange/yellow/pink) with a mild solvent odour. (In applicator bottle)

**Solubility in Water (g/l):** Partly miscible.

**Specific Gravity:** 1.33

**Boiling Point/Melting Point (C):** BP 100

**Vapour Pressure: (Pascals or mm of Hg @ 25°C):** Not Available

**Flashpoint (C):** 34

**Flammability Limits (%):** Not Available

**pH Value:** Not Available

**10. Stability and Reactivity**

**Stability:** Flammable. Product is considered stable.  
Incompatible with explosives, chlorine, phosphorus and oxidising agents.

**11. Toxicological Information**

**General:** Solvent with a harmful vapour. May be harmful if swallowed, inhaled, gets in eyes or in prolonged skin contact. Possible accumulative long term effects.  
Heptane: Minimum Fatal Dose Level; humans 16,000 ppm. Time not specified.

**Ingestion:** Irritant, emetic, purgative. Harmful in larger quantities.

**Eye Contact:** Irritant - reddened, swollen or watering excessively.

**Skin Contact:** Irritant - prolonged skin contact may cause drying, cracking, dermatitis.

**Inhalation:** Potentially harmful - causing dizziness, drowsiness. Avoid inhaling vapour and use with adequate ventilation.

#### 12. Ecotoxicity Information

9.1B Ecotoxic in the Aquatic Environment.  
Heptane LC50 mosquito fish; 4924 mg/L/24, 48, 96 hr; static /formulated product/  
Avoid loss to natural waterways

#### 13. Disposal Considerations

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

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

#### 14. Transport Information

**UN No:** 1263  
**Dangerous Goods Class:** 3  
**Hazchem Code:** 3[Y]  
**Packing Group:** III  
**Proper Shipping Name:** Paint  
**Segregation:** Do not store with D.G classes 1, 5, 7, acids, food or food containers.  
**Limited Quantities:** 5L

#### 15. NZ Regulatory Information

**ERMA Approval Code:** HSR002662

**Group Standard:** Surface Coatings and Colourants (Flammable)

**HSNO Classifications:**

3.1C	Flammable Liquid (medium hazard)
6.1D	Acutely Toxic Substance
6.3A	Skin Irritant
6.4A	Eye Irritant
6.5B	Sensitiser
6.8A	Reproductive Intoxicant
9.1B	Ecotoxic in the Aquatic Environment

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

<b>Approved Handler Test Certificate:</b>	<i>Not required</i>
<b>Hazardous Substance Location:</b>	<i>Not required</i>
<b>Location Test Certificate:</b>	<i>250 litres</i>
<b>Hazardous Atmosphere Zone:</b>	<i>5 litres (open occasionally)</i>

	100 litres (closed containers)
<b>Fire Extinguishers:</b>	500 litres
<b>Emergency Plan:</b>	1000 litres
<b>Tracking:</b>	Not required
<b>Warning Sign:</b>	1000 litres
<b>Disposal:</b>	Not required

### 16. Other Information

<b>Issue Date:</b>	19-Jan-07													
<b>Review Date:</b>	19-Jan-12	Replaces issue of 11-Sep-06												
<b>Definitions:</b>	<table> <tr> <td>DG</td> <td>Dangerous Good</td> </tr> <tr> <td>LC50</td> <td>Lethal concentration 50 % kill</td> </tr> <tr> <td>LD50</td> <td>Lethal dose 50 % kill</td> </tr> <tr> <td>PEL</td> <td>Permissible exposure limit</td> </tr> <tr> <td>TLM24</td> <td>24 hour median threshold limit</td> </tr> <tr> <td>TWA</td> <td>Time weighted average</td> </tr> </table>	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	<p><i>The 8 hour time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure</i></p>
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													

# FIL New Zealand Limited

## FIL Fluoro Tell Tail

### SAFETY DATA SHEET

Issue Date: 19-Jan-07

#### 1. Product and Company Identification

**Product Name:** FIL Fluoro Tell Tail  
**Proper Shipping Name:** Aerosols (less than 1000 cc)  
**Synonyms:** Tell Tail Aerosol  
**Recommended Use:** Temporary stock 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:** [info@fil.co.nz](mailto:info@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.  
P231 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: 67-64-1 Acetone (<10%)  
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.



<b>Eye Contact:</b>	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.
<b>Skin Contact:</b>	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.
<b>Inhalation:</b>	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.
<b>Notes to Physician:</b>	Evaluate for respiratory distress. Consider lavage with cuffed tube. DO NOT use adrenalin.

### 5. Fire-fighting Measures

<b>Specific Hazards:</b>	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.
<b>Suitable Extinguishing Media:</b>	Small fire: Water spray, dry chemical or CO2. Large fire: Water spray or fog.

### 6. Accidental Release Measures

<b>Spill Cleanup Methods:</b>	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.
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### 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
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**Engineering Controls:** Use in a well-ventilated area. If risk of overexposure exists, wear approved respirator.

**Personal Protection:** Use suitable gloves, respiratory and eye protection when spraying or dusting.

### 9. Physical and Chemical Properties

**Appearance and Odour:** Low viscosity liquid with solvent odour.  
Available in red, orange, yellow, green, blue, pink.

**Solubility in Water (g/l):** Nil

**Specific Gravity:** 0.8 (approx)

**Boiling Point/Melting Point (C):** Not Available

**Vapour Pressure: (Pascals or mm of Hg @ 25°C):** Under pressure

**Flashpoint (C):** -104 propellant

**Flammability Limits (%):** Not Available

**pH Value:** Not Available

### 10. Stability and Reactivity

**Stability:** 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.

### 11. Toxicological Information

**General:** Solvent and harmful vapour. May be harmful if swallowed, inhaled, gets in eyes or in prolonged skin contact. Possible accumulative long term effects.

**Ingestion:** Irritant, emetic, purgative. Harmful in larger quantities.

**Eye Contact:** Irritant - reddened, swollen or watering excessively.

**Skin Contact:** Irritant - possible drying and cracking.

**Inhalation:** 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

9.1C 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

### 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:** 2YE  
**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:** 2.1.3A 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:** 19-Jan-07  
**Review Date:** 19-Jan-12 Replaces issue of 1-Jul-06

**Definitions:** DG Dangerous Good  
LC50 Lethal concentration 50 % kill  
LD50 Lethal dose 50 % kill  
PEL Permissible exposure limit

Fluoro Tell Tail SDS

19-Jan-07

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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*