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Revision 6

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## SAFETY DATA SHEET FIPROKILL 2.5 EC

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name FIPROKILL 2.5 EC  
Product No. FIPRON0025ECA

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Biocidal products (e.g. disinfectants, pest control).

#### 1.3. Details of the supplier of the safety data sheet

Supplier Hockley International Ltd  
 Hockley House  
 3 Longstone Road  
 Ashbrook Office Park  
 Manchester  
 M22 5LB  
 TEL: +44 (0) 161 209 7400  
 FAX: +44 (0) 161 209 7401  
 sds@hockley.co.uk

#### 1.4. Emergency telephone number

+44 (0) 161 209 7400 9am - 5pm GMT

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 3 - H226
Human health	EUH066;Skin Irrit. 2 - H315;Eye Dam. 1 - H318;STOT SE 3 - H335, H336;STOT RE 2 - H373;Asp. Tox. 1 - H304
Environment	Aquatic Acute 1 - H400;Aquatic Chronic 1 - H410

##### Classification (1999/45/EEC)

Xn;R48/22, R65. Xi;R36/37. N;R50/53. R10, R66, R67.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### 2.2. Label elements

Contains HYDROCARBONS, C9, AROMATICS  
 FIPRONIL (ISO)

Label In Accordance With (EC) No. 1272/2008



##### Signal Word

Danger

##### Hazard Statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

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H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P260	Do not breathe vapour/spray.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P501	Dispose of contents/container in accordance with local regulations.

Supplementary Precautionary Statements

P243	Take precautionary measures against static discharge.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.
P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Supplemental label information

EUH066	Repeated exposure may cause skin dryness or cracking.
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**2.3. Other hazards**

This product does not contain any PBT or vPvB substances.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

HYDROCARBONS, C9, AROMATICS		60-100%
CAS-No.:	EC No.: 918-668-5	Registration Number: 01-2119455851-35-XXXX
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.	
POLYARYL ETHOXYLATE		5-10%
CAS-No.:	EC No.:	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412	Classification (67/548/EEC) Xi;R36/38. R52/53.	

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FIPRONIL (ISO)		2.5% w/v min.
CAS-No.: 120068-37-3	EC No.: -	
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 2 - H330 STOT RE 1 - H372 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) T;R23/24/25,R48/25 N;R50/53	
BENZENE SULPHONIC ACID, 4-C10-14-ALKYL DERIVATIVES, CALCIUM SALTS		1-5%
CAS-No.: 90194-26-6	EC No.: 290-635-1	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC) Xi;R38,R41.	
ISO-BUTANOL		1-5%
CAS-No.: 78-83-1	EC No.: 201-148-0	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 STOT SE 3 - H336	Classification (67/548/EEC) R10 Xi;R37/38,R41 R67	
2,6-DI-TERT-BUTYL-P-CRESOL		< 1%
CAS-No.: 128-37-0	EC No.: 204-881-4	Registration Number: 01-2119480433-40-XXXX
Classification (EC 1272/2008) Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) N;R50/53.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

Remove affected person from source of contamination. CAUTION! First aid personnel must be aware of own risk during rescue! Place unconscious person on the side in the recovery position and ensure breathing can take place.

#### Inhalation

Move the exposed person to fresh air at once. Get medical attention. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. If breathing stops, provide artificial respiration.

#### Ingestion

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Get medical attention immediately! If breathing stops, provide artificial respiration.

#### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

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### Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

### **4.2. Most important symptoms and effects, both acute and delayed**

#### Inhalation

Tremors, convulsions.

#### Ingestion

See inhalation.

#### Skin contact

Redness.

#### Eye contact

Redness.

### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Antidotes: Treat seizures with benzodiazepines.

## SECTION 5: FIREFIGHTING MEASURES

### **5.1. Extinguishing media**

#### Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media appropriate for surrounding materials.

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### **5.2. Special hazards arising from the substance or mixture**

#### Hazardous combustion products

Toxic gases/vapours/fumes of: Hydrogen cyanide (HCN). Hydrogen fluoride (HF). Hydrogen chloride (HCl). Sulphurous gases (SO<sub>x</sub>). Nitrous gases (NO<sub>x</sub>).

#### Specific hazards

Dike and collect extinguishing water. Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Containers close to fire should be removed immediately or cooled with water. Use water SPRAY only to cool containers! Do not put water on leaked material.

### **5.3. Advice for firefighters**

#### Special Fire Fighting Procedures

In case of fire and/or explosion do not breathe fumes

#### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire. (EN 469)

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Warn everybody of potential hazards and evacuate if necessary. Eliminate all sources of ignition. Take precautionary measures against static discharges.

### **6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground. Stop leak if possible without risk.

### **6.3. Methods and material for containment and cleaning up**

Absorb with sand or other inert absorbent. Dike far ahead of larger spills for later disposal. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Use only non-sparking tools. Ground container and transfer equipment to eliminate static electric sparks. This material and its container must be disposed of as hazardous waste.

### **6.4. Reference to other sections**

For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

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Handle and open container with care. Wear protective clothing as described in Section 8 of this safety data sheet. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Take precautionary measures against static discharges. Do not release into the environment. Do not allow to enter drains, sewers or watercourses. Do not eat, drink or smoke when using the product. Wash hands after handling. Remove contaminated clothing. Wash contaminated clothing before reuse. Harmful: danger of serious damage to health by prolonged exposure if swallowed.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from incompatible materials listed in section 10 of this safety data sheet.

**7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2,6-DI-TERT-BUTYL-P-CRESOL	WEL		10 mg/m <sup>3</sup>			
ISO-BUTANOL	WEL	50 ppm	154 mg/m <sup>3</sup>	75 ppm	231 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

**FIPRONIL (ISO) (CAS: 120068-37-3)**Ingredient Comments

No exposure limits noted for ingredient(s).

**2,6-DI-TERT-BUTYL-P-CRESOL (CAS: 128-37-0)**DNEL

Industry	Inhalation.	Short Term	Systemic Effects	2 mg/m <sup>3</sup>
Consumer	Oral	Long Term	Systemic Effects	0.3 mg/kg/day

PNEC

Freshwater	0.0041	mg/l
Marinewater	0.0041	mg/l
Sediment (Freshwater)	0.731	mg/kg
Sediment (Marinewater)	0.731	mg/kg
Soil	0.35	mg/kg

**HYDROCARBONS, C9, AROMATICS**DNEL

Industry	Dermal	Long Term	Systemic Effects	25 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	150 mg/m <sup>3</sup>
Consumer	Oral	Long Term	Systemic Effects	11 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	32 mg/m <sup>3</sup>
Consumer	Dermal	Long Term	Systemic Effects	11 mg/kg/day

**8.2. Exposure controls**Engineering measures

Provide adequate ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. It is recommended to use respiratory equipment with combination filter, type A2/P2. (EN 140/143)

Hand protection

Use protective gloves. (EN 374)

Eye protection

Avoid contact with eyes. Wear approved safety goggles. (EN 166)

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

Environmental Exposure Controls

Do not release into the environment.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

## FIPROKILL 2.5 EC

### **9.1. Information on basic physical and chemical properties**

<u>Appearance</u>	Liquid
<u>Colour</u>	Yellow. to Amber.
<u>Odour</u>	Aromatic hydrocarbons.
<u>Solubility</u>	Emulsible in water.
<u>Initial boiling point and boiling range (°C)</u>	Not available.
<u>Melting point (°C)</u>	Not available.
<u>Relative density</u>	0.89 - 0.91 @ 20 °C
<u>Bulk Density</u>	Not relevant
<u>Vapour density (air=1)</u>	Not available.
<u>Vapour pressure</u>	Not available.
<u>Evaporation rate</u>	Not available.
<u>pH-Value, Diluted Solution</u>	Not available.
<u>Viscosity</u>	Not available.
<u>Decomposition temperature (°C)</u>	Not available.
<u>Odour Threshold, Lower</u>	Not available.
<u>Odour Threshold, Upper</u>	Not available.
<u>Flash point (°C)</u>	47 °C ISO 3679
<u>Auto Ignition Temperature (°C)</u>	Not available.
<u>Flammability Limit - Lower(%)</u>	Not available.
<u>Flammability Limit - Upper(%)</u>	Not available.
<u>Explosive properties</u>	Not available.
<u>Oxidising properties</u>	Not available.

### **9.2. Other information**

Not available.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

There are no known reactivity hazards associated with this product.

### **10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

### **10.3. Possibility of hazardous reactions**

None known.

#### Hazardous Polymerisation

Will not polymerise.

### **10.4. Conditions to avoid**

Avoid exposure to high temperatures or direct sunlight. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

### **10.5. Incompatible materials**

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### Materials To Avoid

Strong oxidising substances. Strong acids. Strong alkalis.

### **10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Hydrogen cyanide (HCN). Hydrogen fluoride (HF). Hydrogen chloride (HCl). Nitrous gases (NO<sub>x</sub>). Sulphurous gases (SO<sub>x</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### **11.1. Information on toxicological effects**

#### Acute toxicity:

##### Acute Toxicity (Oral LD50)

Calculation method.

Based on available data the classification criteria are not met.

##### Acute Toxicity (Dermal LD50)

Calculation method.

Based on available data the classification criteria are not met.

##### Acute Toxicity (Inhalation LC50)

Calculation method.

Based on available data the classification criteria are not met.

#### Skin Corrosion/Irritation:

Calculation method.

Causes skin irritation.

#### Serious eye damage/irritation:

Calculation method. Causes serious eye damage.

#### Respiratory or skin sensitisation:

Calculation method.

Based on available data the classification criteria are not met.

#### Germ cell mutagenicity:

Calculation method.

Based on available data the classification criteria are not met.

#### Carcinogenicity:

Calculation method.

Based on available data the classification criteria are not met.

#### Reproductive Toxicity:

Calculation method.

Based on available data the classification criteria are not met.

#### Specific target organ toxicity - single exposure:

##### STOT - Single exposure

Calculation method.

May cause respiratory irritation. May cause drowsiness or dizziness.

#### Specific target organ toxicity - repeated exposure:

Calculation method.

May cause damage to organs <<Organs>> through prolonged or repeated exposure if swallowed.

#### Aspiration hazard:

Calculation method.

May be fatal if swallowed and enters airways.

#### General information

Repeated exposure may cause skin dryness or cracking.

Toxicological information on ingredients.

**FIPROKILL 2.5 EC**  
**FIPRONIL (ISO) (CAS: 120068-37-3)**

Acute toxicity:

Acute Toxicity (Oral LD50)

66 mg/kg Rat

Toxic if swallowed.

Acute Toxicity (Dermal LD50)

354 mg/kg Rabbit

Toxic in contact with skin.

Acute Toxicity (Inhalation LC50)

0.36 mg/l (dust/mist) Rat 4 hours

Fatal if inhaled.

Skin Corrosion/Irritation:

Not irritating.

Based on available data the classification criteria are not met.

Serious eye damage/irritation:

Not Irritating. Based on available data the classification criteria are not met.

Respiratory or skin sensitisation:

Respiratory sensitisation

Data lacking.

Skin sensitisation

M & K test

Negative.

Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Non-genotoxic.

Based on available data the classification criteria are not met.

Carcinogenicity:

No indication of human carcinogenicity.

Based on available data the classification criteria are not met.

Reproductive Toxicity:

No reproductive or developmental effects occurred at non-parentally toxic doses.

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure:

STOT - Single exposure

Data lacking.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

NOAEL 0.35 mg/kg/day Oral Rat

Causes damage to the nervous system through prolonged or repeated exposure if swallowed.

Aspiration hazard:

Not relevant, due to the form of the product.

Based on available data the classification criteria are not met.



**FIPROKILL 2.5 EC**  
**HYDROCARBONS, C9, AROMATICS**

Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Rat

REACH dossier information

Conclusive data but not sufficient for classification.

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

REACH dossier information

Conclusive data but not sufficient for classification.

Acute Toxicity (Inhalation LC50)

> 6.19 mg/l (vapours) Rat 4 hours

REACH dossier information

Based on available data the classification criteria are not met.

Skin Corrosion/Irritation:

REACH dossier information

Conclusive data but not sufficient for classification.

Serious eye damage/irritation:

Conclusive data but not sufficient for classification.

Respiratory or skin sensitisation:

Respiratory sensitisation

Data lacking.

Skin sensitisation

Guinea pig maximization test (GPMT):

REACH dossier information

Not Sensitising.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Genotoxicity - In Vivo

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

Scientifically unjustified.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Three-generation study: NOAEC 7500 mg/m<sup>3</sup> Inhalation. Rat

REACH dossier information

Based on available data the classification criteria are not met.

Reproductive Toxicity - Development

Developmental toxicity: NOAEC 100 ppm Inhalation. Mouse

REACH dossier information

Based on available data the classification criteria are not met. No reproductive or developmental effects occurred at non-parentally toxic doses.

## FIPROKILL 2.5 EC

### Specific target organ toxicity - single exposure:

#### STOT - Single exposure

Data lacking.

May cause respiratory irritation. May cause drowsiness or dizziness.

### Specific target organ toxicity - repeated exposure:

#### STOT - Repeated exposure

NOAEC 600 mg/kg Oral Rat

REACH dossier information (read-across approach)

Based on available data the classification criteria are not met.

### Aspiration hazard:

REACH dossier information

Harmful: may cause lung damage if swallowed.

Repeated exposure may cause skin dryness or cracking.

## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Classification based on Regulation (EC) No 1272/2008. Very toxic to aquatic life with long lasting effects.

#### Ecological information on ingredients.

#### **FIPRONIL (ISO) (CAS: 120068-37-3)**

##### Acute Toxicity - Fish

LC50 96 hours = 0.0852 mg/l *Lepomis macrochirus* (Bluegill)

LC50 96 hours = 0.248 mg/l *Onchorhynchus mykiss* (Rainbow trout)

##### Acute Toxicity - Aquatic Invertebrates

EC50 48 hours = 0.19 mg/l *Daphnia magna*

##### Acute Toxicity - Aquatic Plants

EbC50 96 hours = 0.068 mg/l *Scenedesmus subspicatus*

##### Chronic Toxicity - Fish Early life Stage

NOEC 90 days = 0.015 mg/l *Onchorhynchus mykiss* (Rainbow trout)

NOEC 35 days = 0.0029 mg/l *Cyprinodon variegatus* (Sheepshead minnow)

##### Chronic Toxicity - Aquatic Invertebrates

NOEC 21 days = 0.0098 mg/l *Daphnia magna*

##### Acute Toxicity - Terrestrial

LD50 = 0.00417 µg/l *Apis Mellifera* (Honeybee)

(Oral exposure).

LD50 = 0.00593 µg/bee *Apis Mellifera* (Honeybee)

(Topical exposure).

#### **HYDROCARBONS, C9, AROMATICS**

##### Acute Toxicity - Fish

LL50 96 hours = 9.2 mg/l *Onchorhynchus mykiss* (Rainbow trout)

REACH dossier information

##### Acute Toxicity - Aquatic Invertebrates

EL50 48 hours = 3.2 mg/l *Daphnia magna*

REACH dossier information

##### Acute Toxicity - Aquatic Plants

Erl50 72 hours = 2.9 mg/l

REACH dossier information

### **12.2. Persistence and degradability**

#### Degradability

The product contains persistent (not readily degradable) substances.

## FIPROKILL 2.5 EC

### Ecological information on ingredients.

#### Degradability

The product is not readily biodegradable.

#### Phototransformation

Soil DT50 = 34 days

#### Biodegradation

Soil DT50 = 142 days

Water and Sediment DT50 = 68 days

Water DT50 = 54 days

The product is persistent.

### FIPRONIL (ISO) (CAS: 120068-37-3)

### HYDROCARBONS, C9, AROMATICS

#### Degradability

The product is not readily biodegradable.

#### Biodegradation

Water Degradation (60%) < 28 days

REACH dossier information

## **12.3. Bioaccumulative potential**

### Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

### Ecological information on ingredients.

#### Bioaccumulation factor

BCF = 321

#### Partition coefficient

log Kow = 3.75

### FIPRONIL (ISO) (CAS: 120068-37-3)

### HYDROCARBONS, C9, AROMATICS

#### Bioaccumulation factor

Scientifically unjustified.

REACH dossier information

#### Partition coefficient

Scientifically unjustified.

REACH dossier information

## **12.4. Mobility in soil**

### Ecological information on ingredients.

#### Mobility:

Semi-mobile.

#### Adsorption/Desorption Coefficient

Koc = 727

#### Henry's Law Constant

0.000231 Pa m<sup>3</sup>/mol

### FIPRONIL (ISO) (CAS: 120068-37-3)

### HYDROCARBONS, C9, AROMATICS

#### Adsorption/Desorption Coefficient

Scientifically unjustified.

REACH dossier information

#### Surface tension

29.1 mN/m 25°C

REACH dossier information

## **12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

**FIPROKILL 2.5 EC**Ecological information on ingredients.**FIPRONIL (ISO) (CAS: 120068-37-3)**

Not Classified as PBT/vPvB by current EU criteria.

**HYDROCARBONS, C9, AROMATICS**

This product does not contain any PBT or vPvB substances.

**12.6. Other adverse effects**

The product contains a substance which is toxic to birds.

Ecological information on ingredients.**FIPRONIL (ISO) (CAS: 120068-37-3)**

Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS**General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

**13.1. Waste treatment methods**

Waste is suitable for incineration. Contact specialist disposal companies. Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling. Empty containers may contain residue and can be dangerous. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

<u>UN No. (ADR/RID/ADN)</u>	1993
<u>UN No. (IMDG)</u>	1993
<u>UN No. (ICAO)</u>	1993

**14.2. UN proper shipping name**

<u>Proper Shipping Name</u>	FLAMMABLE LIQUID, N.O.S.
<u>Proper Shipping Name</u>	(contains fipronil and hydrocarbons, C9, aromatics)

**14.3. Transport hazard class(es)**

<u>ADR/RID/ADN Class</u>	3
<u>ADR/RID/ADN Class</u>	Class 3: Flammable liquids.
<u>IMDG Class</u>	3
<u>ICAO Class/Division</u>	3
<u>Transport Labels</u>	

**14.4. Packing group**

<u>ADR/RID/ADN Packing group</u>	III
<u>IMDG Packing group</u>	III
<u>ICAO Packing group</u>	III

**14.5. Environmental hazards**

**FIPROKILL 2.5 EC**Environmentally Hazardous Substance/Marine Pollutant**14.6. Special precautions for user****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Uk Regulatory References

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Health and Environmental Listings

Regulation EC 2037/2000 on substances that deplete the ozone layer. Regulation EC 689/2008 concerning the export and import of dangerous chemicals. None of the ingredients are listed.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**Abbreviations and acronyms used in the safety data sheet

PBT - Persistent, bioaccumulative and toxic. vPvB - Very persistent and very bioaccumulative EN - European standard adopted by the European Committee for Standardisation.

Information Sources

International Chemical Safety Card. The International Union of Pure and Applied Chemistry (IUPAC) pesticide properties database - <http://sitem.herts.ac.uk/aeru/iupac/index.htm> Available from [www.inchem.org](http://www.inchem.org). Conclusion regarding the peer review of the pesticide risk assessment of the active substance completed by the European Food Safety Authority - <http://www.efsa.europa.eu/cs/Satellite> World Health Organisation (WHO) Specifications and Evaluations for Public Health Pesticides - Evaluation Report. United States National Library of Medicine Hazardous Substances Data Bank (HSDB) - <http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB> Disseminated REACH registration dossier - <http://apps.echa.europa.eu/registered/registered-sub.aspx> Supplier safety data sheet (SDS).

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## FIPROKILL 2.5 EC

### Risk Phrases In Full

R10	Flammable.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R65	Harmful: may cause lung damage if swallowed.
R36/37	Irritating to eyes and respiratory system.
R36/38	Irritating to eyes and skin.
R37/38	Irritating to respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Hazard Statements In Full

H372	Causes damage to organs <<Organs>> through prolonged or repeated exposure.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H330	Fatal if inhaled.
H226	Flammable liquid and vapour.
H412	Harmful to aquatic life with long lasting effects.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure if swallowed.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H411	Toxic to aquatic life with long lasting effects.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.