

# SAFETY DATA SHEET



## KATANA®

Date of Issue: 26 February 2016

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

**Chemical name of active ingredient(s):** Flazasulfuron

**Recommended use:** Herbicide

**Supplier:** Etec Crop Solutions Ltd  
PO Box 51584  
Pakuranga, Auckland  
Phone 0800 100 325

**Emergency telephone number:** 0800 Poison (0800 764 766) 24 Hours

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Toxic - 6.1D, 6.9B,  
Ecotoxic -9.1A, 9.2A, 9.3C

**Required identification Details:**

ECOTOXIC  
Very toxic to aquatic organisms.  
Very toxic in the soil environment.  
Harmful to terrestrial vertebrates.

HARMFUL – may be harmful if swallowed, inhaled or absorbed through the skin.  
Frequent exposure at high doses may cause damage to the kidneys.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/preparation Information on hazardous ingredients**

Common name	CAS No	%
Flazasulfuron	104040-78-0	25%

### 4. FIRST-AID MEASURES

**Description of necessary first aid measures:**

**Effects and symptoms**

**First-aid measures**

**Inhalation:**

Remove victim to fresh air. If breathing is difficult: artificial respiration. Get medical attention.

**Ingestion:**

Wash out mouth with plenty of water. Get medical attention. Never give anything by mouth to an unconscious person. Seek medical attention.

**Skin contact:**

Remove victim from area of exposure. Wash off remaining

material with plenty of water. Remove contaminated clothing. Wash away remainder with water and soap.

**Eye contact:**

Wash out with plenty of water with the eyelid held wide open for at least 15 minutes. Get medical attention.

**Notes to a physician:**

There is no specific antidote. Treat symptomatically and give supportive therapy.

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## 5. FIRE-FIGHTING MEASURES

**HAZCHEM Code:**

2X

**Extinguishing media :**

Foam, dry chemical or carbon dioxide (CO<sub>2</sub>)

**Hazardous thermal (de)composition products:  
Protection of fire-fighters:**

Combustion or thermal decomposition may evolve toxic and irritant vapours.

Self-contained breathing apparatus and total protection required in enclosed areas.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Wear PVC overalls, chemical resistant gloves, facemask or goggles.

**Environmental precautions:**

Contain Spills. Do not discharge into drains or the environment.

**Methods for cleaning up:**

Prevent further spillage. Adsorb spilled product and place in sealable container for disposal. Wash down affected area with water plus detergent. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the local authority regarding disposal.

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## 7. HANDLING AND STORAGE

**Handling:**

Avoid contact with eyes and skin.

**Storage:**

Keep only in the original container. Keep in a cool, dry, well ventilated place away from direct sunlight. Protect from frost. Store at 10-30°C.

**Packaging materials:**

HDPE

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

**Exposure standards:**

None Established

**Engineering measures**

**Exposure control measures:**

Ventilation required in enclosed areas.

**Personal Protective Equipment**

**Detail specifications for equipment:**

<b>Respiratory system:</b>	Wear a face mask that gives protection against organic vapours and dust.
<b>Skin and body:</b>	Avoid contact with skin and eyes.
<b>Hands:</b>	Use gloves chemically resistant (eg: nitrile or neoprene) when prolonged or frequently repeated contact could occur.
<b>Eyes:</b>	Use safety glasses if exposure possible.
<b>General hygiene:</b>	When handling do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State: Colour, Odour.</b>	Brown fine granule (water dispersible granule).
<b>pH:</b>	5.06 (1% suspension)
<b>Vapour Pressure:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Freezing/melting point:</b>	N/A
<b>Solubility:</b>	Dispersible.
<b>Specific gravity:</b>	Not available
<b>Flashpoint:</b>	Not available
<b>Octanol/water partition coefficient:</b>	Not available
<b>Explosion properties:</b>	Not Explosive.
<b>Oxidation properties:</b>	Not an Oxidizing Agent

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	Excess heat
<b>Materials to avoid:</b>	Oxidizing agents, acids and alkali.
<b>Hazardous decomposition Products:</b>	Combustion or thermal decomposition may evolve toxic and irritant vapours.
<b>Hazardous polymerization:</b>	Not subject to polymerization
<b>Specific Data:</b>	
<b>Hazardous reactions :</b>	None expected

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity – Oral :</b>	LD50 (rat) >5,000 mg/kg LD50 (mouse) >5,000 mg/kg
<b>Acute toxicity - Dermal :</b>	Not available
<b>Acute toxicity – Inhalation:</b>	LC50 5.47/L (Rat) (Flzasulfuron technical) Unlikely to cause harmful effects under normal conditions of handling and use.
<b>Skin irritation :</b>	Not a skin irritant
<b>Eye irritation:</b>	
<b>Sensitization :</b>	

## Chronic toxicity

**Mutagenicity:** Not mutagenic  
**Reproduction toxicity:** Not a reproductive toxin  
**Other information :**

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Very toxic to aquatic organisms.  
**Rainbow trout**  
**Daphnia magna**  
**Algae**

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## 13. DISPOSAL CONSIDERATIONS

**Methods of disposal :** Triple rinse container and add to spray tank, burn if permitted and circumstances, particularly wind direction, permit, otherwise crush and bury in an approved landfill. Do not contaminate any waterway with chemical or empty container. Ensure that any unwanted product is used in accordance with label directions.

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## 14. TRANSPORT INFORMATION - International transport regulations

**UN number:** 3077  
**Class or Division:** 9  
**Packing Group:** III  
**Marine Pollutant:** YES  
**Proper shipping name :** Environmentally hazardous substance, Solid, N.O.S. Flazasulfuron.

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## 15. REGULATORY INFORMATION

**ACVM Registered Number:** P4659  
**HSNO Approval Code:** HSR000235

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## 16. OTHER INFORMATION

**Additional information:** **Original Issue Date:** 5<sup>th</sup> October 2006  
**Revision Date:** 25 February 2016  
**Replaces:** ES289

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