

## MATERIAL SAFETY DATA SHEET

SABRE 200 EC

20 April 2014

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**SUPPLIER:** Future Farm & Forest Services & Supplies (Pty) Ltd  
P O Box 98165  
Sloane Park  
2152

#### EMERGENCY TELEPHONE NUMBERS

#### SPILLAGES: SPILL TECH

**Emergency telephone** 011 463 5842 or  
**Fax** 011 463 5842

#### POISONINGS:

**Griffon Poison Centre** 082 446 8946

Product Name: **SABRE 200 EC HERBICIDE**

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Components contributing to hazard:

	CAS	EINECS
Fluroxypyr 1-methylheptyl ester	288 g/L	081406-37-3 279-752-9

Solvent plus inert ingredients Balance

**Un no:** 1993

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### 3. HAZARDS IDENTIFICATION

Flammable.

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### 4. FIRST-AID MEASURES

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

#### Ingestion

Do not induce vomiting. Call a physician. The decision of whether to induce vomiting or not should be made by an attending physician.

#### Eye Contact

Irrigate immediately with water for at least 5 minutes.

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### **Skin Contact**

Wash thoroughly with soap and water.

### **Inhalation**

Remove to fresh air. Consult a physician.

### **Note to Physician**

No specific antidote. Signs and symptoms of excessive exposure may be central nervous system effects such as headache, dizziness or anaesthesia. If lavage is performed, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Supportive care. Treatment based on judgement of physician in response to symptoms of patient.

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## **5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

Water fog or fine spray. Carbon dioxide. Dry chemical. Foam.

### **Hazardous Combustion Products**

During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

### **Protection of Firefighters**

Wear protective clothing and use self-contained breathing apparatus.

### **Additional Information**

Keep containers cool by spraying with water. Contain runoff to prevent entry into water or drainage systems.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions**

Wear appropriate safety clothing and eye/face protection (see Section 8).

### **Environmental Precautions**

Do not wash into sewers or into any body of water. Advise water authority if spillage has entered water course or drainage system.

### **Methods of Cleaning Up**

Soak up with sand or other non-combustible absorbent material and place into containers for disposal. For large spills, barricade area and consult manufacturer. If further assistance is required, telephone the emergency contact number.

### **Additional Information**

Eliminate all ignition sources.

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### 7. HANDLING AND STORAGE

#### Handling

Use good personal hygiene. Do not consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work. Avoid breathing vapours.

#### Storage

Product should be stored in compliance with local regulations. Store in a cool, dry, well-ventilated place in the original container. Protect from excessive heat and cold. Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilisers. Keep out of reach of children.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Guidelines

None established for the Active Ingredient(s).  
Supplier recommendation for solvent is 50 ppm

#### Engineering Controls

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

#### Respiratory Protection

When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator.  
For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

#### Hand/Skin Protection

Wear clean, long-sleeved, body-covering clothing. Use gloves impervious to this material.  
For emergency conditions: Use protective clothing impervious to this material.

#### Eye/Face Protection

Use safety glasses. Where contact with the liquid is likely, chemical goggles are recommended.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Colour : dark brown  
Rel. density (water=1) : 0.97 g/cm<sup>3</sup> (approx.)  
Water solubility : emulsifiable  
Flash point : 47 deg.C (PMCC)

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### 10. STABILITY AND REACTIVITY

#### Chemical Stability

Is stable under normal storage conditions.

#### Conditions to Avoid

Avoid high temperatures (at or near flash point), open flame, sparks and direct sunlight.

#### Materials to Avoid

Strong basic, acidic or oxidising materials.

#### Hazardous Decomposition Products

None under normal conditions of storage and use.

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Based on data for similar formulation.

#### Ingestion

Single dose oral toxicity is considered to be low.  
The estimated oral LD<sub>50</sub> for rats is >2000 mg/kg.

#### Skin Contact

The estimated dermal LD<sub>50</sub> for rats is >2000 mg/kg.  
A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.  
Essentially non-irritating to skin.

#### Eye Contact

May cause slight but prolonged irritation.

#### Inhalation

No adverse effects anticipated by this route of exposure, but excessive

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### 12. ECOLOGICAL INFORMATION

Assessment largely or completely based on data for active ingredient.

#### Persistence and Degradability

Rapidly hydrolysed to the parent acid. The principle route of degradation is microbial and will occur readily. Half-life in soils is dependent on soil type and conditions and is approximately 14-56 days. There is no evidence of any significant leaching, therefore it is unlikely to contaminate ground water.

#### Aquatic Toxicity

Acute LC50 for fish is reported to be greater than the maximum saturation level.  
Acute LC50 for daphnids is reported to be greater than the maximum saturation level.

#### Avian Toxicity

Non-toxic to birds.  
Acute oral LD50 for mallard duck is >2000 mg/kg.

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### 13. DISPOSAL CONSIDERATIONS

Do not contaminate ponds, waterways or ditches with chemical or used container. Wash out thoroughly. Container and washings must be disposed of safely and in accordance with applicable regulations. The preferred options are to send to licensed reclaimer or to permitted incinerators. Do not re-use container for any purpose.

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### 14. TRANSPORT INFORMATION

#### Road, Rail & Barge

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (CONTAINS PETROLEUM DISTILLATE)

Truck - ADR Loaded : 3-31c Empty : 3-71 Label : 3

Rail - RID Loaded : 3-31c Empty : 3-71 Label : 3

Filling % Packed :

Filling % Bulk :

Filling Kg/L (Gas) :

Kemler Code : 30 UN Number : 1993

Tremcard Nr. CEFIC : 30GF1-III

Tremcard Nr. Other :

Barge - ADN R Loaded : 3-31c Empty : Label: 3

Ship Type : CATG. :

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### Sea

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (CONTAINS PETROLEUM

DISTILLATE)

Sea - IMO/IMDG Class: 3.3 UN Nr : 1993 Label: 3

Packing Group : III EMS : 3-07 MFAG : 311

Container Type : Marine Pollutant : N (Y/N)

Test Pressure (bar) : 1.5 Filling % Packed :

Filling % Bulk :

Filling Kg/L (Gas) :

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### Air

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (CONTAINS PETROLEUM

DISTILLATE)

Air-ICAO/IATA Class : 3 UN Nr : 1993 Label: 3

Sub Class :

Packing Group : III Pack Instr. Passenger : 309

Pack Instr. Cargo : 310

**Remarks** : Sample shipment not allowed by mail.

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### 15. REGULATORY INFORMATION

**Hazard Symbol** : None required

**Risk Phrases** : Flammable. (R10)

**Safety Phrases** : Keep out of reach of children. (S2)

Keep away from food, drink and animal feeding stuffs.

(S13)

When using do not eat, drink or smoke. (S20/21)

Avoid contact with eyes. (S25)

**National Legislation:**

In accordance with the South African National Road Traffic Act, 1996 (Act 93 of 1996), the Fire Brigade Act, 1987 (Act 99 of 1987) and the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).

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**16. OTHER INFORMATION**

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