

## SAFETY DATA SHEET

Prepared on Commission Regulation (EU) no. 453/2010

1. Identification of the substance/mixture and of the company/undertaking			
<b>Product/substance name</b>	Sabre 200 EC		<b>Revision Date:</b> 23/05/2022 <b>Publish Date:</b> 23/05/2022
<b>Product/substance name</b>	<b>CAS Number</b>	<b>EINECS Number</b>	<b>Index Number</b>
Herbicide	81406-37-3	081406-37-3 3 279-752-9	Not available
<b>Supplier</b>	Future Farm & Forest Services & Supplies (Pty) Ltd Johannesburg Epsom Downs Office Park 13 Sloane Street, Bryanston 2194  EMERGENCY CONTACT Tel: (+27) 11 463 5842		
<b>Regd. Office:</b>	Future Farm & Forest Services & Supplies (Pty) Ltd Johannesburg Epsom Downs Office Park 13 Sloane Street, Bryanston 2194  EMERGENCY CONTACT Tel: (+27) 11 463 5842		
<b>Emergency telephone number</b>	Transport accident: 086 100 0366 Treatment for poisoning cases: 082 446 8946		

2. Hazards identification	
<b>Classification of the substance or mixture</b>	
Aspiration toxicity	Category 1: (H304)
Skin corrosion/irritation	Category 2: (H315)
Serious eye damage/eye irritation	Category 2: (H319)
Specific target organ toxicity (single exposure)	Category 3: (H335); (H336)
Acute aquatic toxicity	Category 1: (H400)
Chronic aquatic toxicity	Category 1: (H410)
Flammable liquids	Category 3: (H226)
<b>Label Elements</b>	

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**Hazard pictograms****Signal word**

Danger

**Hazard Statements**

H304 - May be fatal if swallowed and enters airways  
 H315 - Causes skin irritation  
 H319 - Causes serious eye irritation  
 H335 - May cause respiratory irritation  
 H336 - May cause drowsiness or dizziness  
 H400 - Very toxic to aquatic life  
 H410 - Very toxic to aquatic life with long lasting effects  
 H226 - Flammable liquid and vapor

**Precautionary Statements**

P102 - Keep out of reach of children.  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 - Keep container tightly closed.  
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 + P265 - Wash hands thoroughly after handling. Do not touch eyes.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P273 - Avoid release to the environment. – *if this is not the intended use.*  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P301 + P316 - IF SWALLOWED: Get emergency medical help immediately. Competent Authority or manufacturer / supplier may add, 'Call' followed by the appropriate emergency telephone number, or the appropriate emergency medical help provider, for example, a Poison Centre, Emergency Centre or Doctor.  
 P302 + P352 - IF ON SKIN: Wash with plenty of water.  
 P304 + P340 - IF INHALED: Remove person to fresh air and keep 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.  
 P319 - Get medical help if you feel unwell.  
 P331 - Do NOT induce vomiting.  
 P332 + P317 - If skin irritation occurs: Get medical help.  
 P337 + P317 - If eye irritation persists: Get medical help.

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P362 + P364 - Take off contaminated clothing and wash it before reuse.  
 P391 - Collect spillage.  
 P405 - Store locked up.  
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.  
 P501 - Dispose of contents/ container to an approved waste disposal plant

**Other Hazards**

No information available

**3. Composition/information on ingredients****Mixture**

Chemical Name	Weight (%)	CAS No	EC No
Fluroxypyr-meptyl	28.8	81406-37-3	279-752-9
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts	< 5	68953-96-8	273-234-6
Hexan-1-ol	< 5	111-27-3	203-852-3
Hydrocarbons, C10, aromatics, <1% naphthalene	< 1	N/A	918-811-1
Hydrocarbons, C9, aromatics	> 60 - < 70	N/A	918-668-5

**4. First aid measures****First aid measures****General advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).  
 First aider: Pay attention to self-protection!

**Inhalation**

Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Immediate medical attention is required.

**Skin Contact**

Immediately remove contaminated clothing and flush body and clothes with large amounts of soap and water. Rinse skin immediately with plenty of water for 15-20 minutes. Wash contaminated clothing before re-use. Seek medical assistance if irritation persists.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove

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any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Immediately consult an ophthalmologist and show this SDS or the label or the packaging.

#### **Ingestion**

Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Immediate medical attention is required. Never give anything by mouth to an unconscious person.

**Self-protection of the first aider** Use personal protective equipment as required.

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

**Note to physicians** Treat symptomatically.

### **5. Firefighting measures**

#### **Extinguishing media**

##### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### **Unsuitable Extinguishing Media**

No information available.

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

No specific hazard known.

#### **Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.

In the event of fire and/or explosion do not breathe fumes.

Remove all sources of ignition. Evacuate personnel to safe areas. Use only with adequate ventilation. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

#### **For emergency responders**

Use personal protection recommended in Section 8.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

Avoid contact with skin and eyes and clothing. For personal protection see Section 8. Remove contaminated clothes, undergarments, and shoes immediately. Chemical goggles when respirator does not provide eye protection. Air respirators should be worn if large quantities of mist/dust are generated or during prolonged exposure.

#### Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

### Methods and material for containment and cleaning up

#### **Methods for cleaning up**

Take up mechanically, placing in appropriate containers for disposal.

### Reference to other sections

#### Other Information

See also section 8, 13

## 7. Handling and storage

### Precautions for safe handling

#### **Advice on safe handling**

Use only with adequate ventilation. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

#### **General Hygiene Considerations**

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

### Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

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Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place.

**Specific end use(s)**

**Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

## 8. Exposure controls/personal protection

**National occupational exposure limits**

<b><u>Chemical Name</u></b>	<b><u>Notes</u></b>
Hexan-1-ol	TWA: 50 ppm
111-27-3	TWA: 210 mg/m <sup>3</sup>

**Exposure controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye/face protection** Tight sealing safety goggles.

**Hand Protection** Gloves made of plastic or rubber.

**Body Protection** Antistatic footwear, Wear fire/flame resistant/retardant clothing, Gloves made of plastic or rubber, Suitable protective clothing, Apron.

**Respiratory protection** Use only with adequate ventilation.

**General Hygiene Considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## 9. Physical and chemical properties

### Physical and Chemical Properties

Property	Values	Methods	Remarks
<b>Appearance</b>			
Physical state	: Liquid		
Color	: brown		
Odor	: Aromatic		
Odor threshold	: No data available		
pH	: 5.3	CIPAC MT 75.2	solution (1 %)
Melting point/freezing point (°C)	: -		Not Applicable
Boiling point/boiling range (°C)	: -		No data available
Flash point (°C)	: 55	CIPAC MT 12	CC (closed cup)
Evaporation rate	: Not Applicable		
Flammability (solid, gas)	: Not Applicable		
Upper/lower flammability or explosive limits	: No data available		
Vapor pressure (kPa)	: -		Not Applicable
Vapor density	: No data available		
Relative density	: 0.92 - 1.02		20 °C
Solubility(ies) (mg/l)	: -		
Partition Coefficient (n-octanol/water) Log Pow:	:		See Section 12 for more information
Autoignition temperature (°C)	: 442	EEC A15	
Decomposition temperature (°C)	: -		
Kinematic viscosity (mm <sup>2</sup> /s 40 °C)	: 2.96	ASTM D455	20 °C
Explosive properties	: Not an explosive	EEC A14	
Oxidizing properties	: No data available		
<b>Other Information</b>			
Bulk density (g/ml)	:	EEC A5	25 °C
Surface tension (g/ml)	: 27		

## 10. Stability and reactivity

<b>Reactivity:</b>	Not available.
<b>Chemical stability:</b>	Stable under normal conditions.
<b><u>Possibility of Hazardous Reactions</u></b>	
<b>Hazardous polymerization:</b>	Hazardous polymerization does not occur. None under normal processing.
<b>Conditions to avoid:</b>	Heat, flames and sparks. Extremes of temperature and direct sunlight.

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**Incompatible Materials:** Incompatible with strong acids and bases

**Hazardous Decomposition Products:** None under normal use conditions.

## 11. Toxicological information

### Information on toxicological effects

<u>Acute toxicity</u>	<u>Values</u>	<u>Species</u>	<u>Remarks</u>
<b>Oral</b> (LD50 mg/kg)	: > 2000-3500	Rat	Male
<b>Dermal</b> (LD50 mg/kg)	: > 5000	Rat	
<b>Inhalation</b> (LC50 mg/l/4h)	: -		No data available
<b>Skin corrosion/irritation</b>	: Mild skin irritation	Rabbit	24 hours
<b>Serious eye damage/eye irritation</b>	: Moderately irritating to the eyes		
<b>Respiratory/skin sensitization</b>	: Skin sensitizer	Guinea pig	
 <u>Chronic toxicity</u>			
<b>Germ cell mutagenicity</b>	: Not classified		
<b>Carcinogenicity</b>	: Not Carcinogenic		
<b>Reproductive toxicity</b>	: Not toxic for the reproductive system		
<b>STOT - single exposure</b>	: Not available		
<b>STOT - repeated exposure</b>	: Not available		
<b>Aspiration hazard</b>	: Not available		

## 12. Ecological information

### Toxicity

#### Aquatic toxicity

<u>Acute toxicity</u>	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish (96-hour LC50 mg/l)	: 8.5	<i>Oncorhynchus mykiss</i> (rainbow trout)	OECD 203	
Crustacea (48-hour EC50 mg/l)	: 6.2	<i>Daphnia magna</i>	OECD 202	
Algae (72-hour EC50 mg/l)	: > 40, 0.684	<i>P. subcapitata</i>	OECD 201	
Other plants (EC50 mg/l)	: -	<i>Navicula sp.</i>		No data available

#### Terrestrial Toxicity

Birds Oral LD50 (mg/kg)	: > 2000	<i>Colinus virginianus</i> (Bobwhite quail)
Bees Oral LD50 (µg/bee)	: > 100	<i>Apis mellifera</i>

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**Persistence and degradability****Abiotic Degradation**

Water DT50 days : 38.1

Soil DT50 days : 1

**Biodegradation** : No data available**Bioaccumulative potential****Partition Coefficient** (n-octanol/water) : 5.04 pH 7.0**Partition Coefficient** (n-octanol/water)

Log Pow

**Bioconcentration factor** (BCF) : 26**Mobility in soil****Adsorption/Desorption** : 19550 Koc**Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB

**Other adverse effects**

No information available.

**13. Disposal considerations****Waste treatment methods****Waste from residues/unused products:** Disposal should be in accordance with applicable regional, national, and local laws and regulations.**Contaminated packaging:** Improper disposal or reuse of this container may be dangerous and illegal.**Other Information:** Waste codes should be assigned by the user based on the application for which the product was used.**14. Transport information****IMDG/IMO****UN/ID No \*** 1993**Proper shipping name** FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9, aromatics)**Hazard Class** 3**Packing Group** III**Marine pollutant** Yes**Special precautions for user**

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**RID/ADR**

**UN/ID No \*** 1993  
**Proper shipping name** FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9, aromatics)  
**Hazard Class** 3  
**Packing Group** III  
**Environmental hazard** Yes  
**Special precautions for user**

**ICAO/IATA**

**UN/ID No \*** 1993  
**Proper shipping name** FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9, aromatics)  
**Hazard Class** 3  
**Packing Group** III  
**Environmental hazard** Yes  
**Special precautions for user**

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

**\*Note:** UN3077 & UN3082 – These products may be transported as non-dangerous goods under the special provisions of IMDG Code 2.10.2.7; ADR SP375 and ICAO/IATA A197 when packed in single or inner packaging of up to 5L for liquids or 5 kg or less for solids.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

## 15. Regulatory information

**Safety, health, and environmental regulations/legislation specific for the substance or mixture**

National legislation:

- Regulations For Hazardous Chemical Agents, 2021 as Amended by Notice R 11266 in GG 44366 of 31 March 2021 Republic Of South Africa.
- Occupational Health and Safety Act (Act No. 85 of 1993) as amended.
- Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act (Act No. 36 of 1947) as amended. Registration No. L6802 Department of Agriculture, Land Reform and Rural Development.

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## 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Contact:

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P.O. BOX 98165  
SLOANE PARK  
2152

### Abbreviations and acronyms:

<b>ADR:</b>	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
<b>RID:</b>	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
<b>IMDG:</b>	International Maritime Code for Dangerous Goods
<b>IATA:</b>	International Air Transport Association (IATA)
<b>ICAO:</b>	International Civil Aviation Organization
<b>ICAO-TI:</b>	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
<b>GHS:</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>EINECS:</b>	European Inventory of Existing Commercial Chemical Substances
<b>CAS:</b>	Chemical Abstracts Service (division of the American Chemical Society)
<b>LC50:</b>	Lethal concentration, 50 percent
<b>LD50:</b>	Lethal dose, 50 percent

This Safety Data Sheet (SDS) complies with basic South African and EU regulatory requirements for SDS on the date of publication and is intended for translation and adaptation into European National documents. This document should NOT be relied upon for compliance with the laws and regulations of individual countries without the appropriate local translations and adaptations. It is your responsibility to ensure that any SDS taken or adapted from this system for re-distribution or use complies with all the laws and regulations which apply to any such use or re-distribution.