



# Material Safety Data Sheet

According to EC Directive 1907/2006

Print date: 08-May-2008

Revision Number: 0

Revision date:

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### Identification of the substance or preparation

MSDS Ref. No.: 019895  
Product name: Praxys Herbicide

### Use of the Substance/Preparation

Company/Undertaking Identification • Scotts UK Professional, Paper Mill Lane, Bramford, Ipswich, Suffolk IP8 4BZ  
United Kingdom

Emergency telephone number: • ++44 (0) 1865 407333 (24h)

Email INFO-MSDS@Scotts.com

## 2. HAZARDS IDENTIFICATION

### Classification

Xn - Harmful  
N - Dangerous for the environment

### Most important hazards

Harmful by inhalation.  
Irritating to eyes and skin  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Fluroxypyr	81406-37-3	10 - 25%	279-752-9	N;R50/53
Clopyralid	1702-17-6	5 - 10%	607-231-00-1	N;R51/53 Xi;R41
Florasulam	145701-23-1	< 1%		N;R50/53

Components	CAS-No	Weight %	EC-No.	Classification
Calcium dodecyl-benzene sulfonate	70528-83-5	1 - 5%		Xi;R38 R41 N;R51/53
Octanamide, N,N-dimethyl	01118-92-9	10 - 25%		Xi;R38 R41
Naphtha (petroleum), heavy aromatic	64742-94-5	> 25%	649-424-00-3	N;R51/53 Xn;R65

NE = Non-Established

**For the full text of the R phrases mentioned in this Section, see Section 16**

## 4. FIRST AID MEASURES

- General advice:** In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- Inhalation:** Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a poison control center or doctor for further treatment advice.
- Skin contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- Eye contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- Notes to physician:** Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed for 24-48 hours for signs of respiratory distress. Maintain adequate ventilation and oxygenation of the patient. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient..

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Water spray mist or foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

**Unsuitable extinguishing media:**

Not applicable

**Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:**

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating..

**Special protective equipment for firefighters:**

Use personal protective equipment. Self-contained breathing apparatus and suitable protective clothing.

**Specific methods:**

Water mist may be used to cool closed containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Avoid contact with skin and eyes. Wear suitable protective clothing, and eye/face protection.

**Environmental precautions:**

Do not contaminate water. Do not flush into surface water or sanitary sewer system. Advise water authority if spillage has entered water course or drainage system..

**Methods for cleaning up:**

Prevent further leakage or spillage. Soak up with inert absorbent material. Take up mechanically and collect in suitable container for disposal.

## 7. HANDLING AND STORAGE

**Handling:****Technical measures/precautions:**

Ensure adequate ventilation.

**Safe handling advice:**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. Wash hands and exposed skin after use / handling.

**Storage:****Technical measures/storage conditions:**

Store in original container. Keep in a dry, cool and well-ventilated place. Protect from extreme temperatures. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children.

**Incompatible products:**

No information available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**

Ensure adequate ventilation.

**Occupational exposure controls****Personal protective equipment****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 protection:**

Use chemical resistant gloves classified under standard EN 374: Protective gloves against chemicals and micro-organisms.

Examples of preferred glove barrier materials include: Nitrile  
Examples of acceptable of glove barrier materials include: Neoprene. Polyvinyl chloride ('PVC' or 'vinyl')

Avoid gloves made of natural rubber. When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374) is recommended.

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all requisite workplace factors such as, but not limited to: other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), as well as the instruction/specification provided by the glove supplier.

**Eye/face protection**

Safety glasses with side shields or goggles.

**Skin and body protection:**

impervious clothing.

**Hygiene measures**

General industrial hygiene practice.

**Exposure limit values***Fluroxypyr*

UK EH40 WEL:

10mg/m<sup>3</sup> (supplier recommendation)

*Clopyralid*

UK EH40 WEL:

10mg/m<sup>3</sup> (supplier recommendation)

**9. PHYSICAL AND CHEMICAL PROPERTIES****General Information**

**Physical State:** Liquid  
**Color:** Brown  
**Odor:** Slight

**Important Health Safety and Environmental Information**

**Flash point:** >100 (°C)  
**Density:** 1.04g/cm<sup>3</sup> (20°C)  
**Solubility:** Emulsifiable  
**Explosive properties:** Not explosive

**Other information**

**pH:** 1.93 - 2.49

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Extremes of temperature and direct sunlight. Heat, flames and sparks.
<b>Materials to avoid:</b>	None known.
<b>Hazardous decomposition products:</b>	No decomposition if stored normally

## 11. TOXICOLOGICAL INFORMATION

### Component information

*Fluroxypyr*

LD50/oral/rat = > 5000 mg/kg

### Product information

LD50/dermal/rat = >5000mg/kg

LD50/oral/rat = >2000mg/kg

### Local effects

<b>Skin effects:</b>	May cause skin irritation in susceptible persons
<b>Eye effects:</b>	Moderate eye irritation.
<b>Inhalation:</b>	May cause sensitization by inhalation
<b>Ingestion:</b>	Low toxicity if swallowed.

## 12. ECOLOGICAL INFORMATION

### Product information

**Aquatic toxicity:** Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

LD50 bee oral = >86 microgram/bee.

LD50 bee contact = >200 microgram/bee.

### Component information

## 13. DISPOSAL CONSIDERATIONS

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<b>Waste Disposal Methods:</b>	Do not contaminate ponds, waterways or ditches with chemical or used container. Do not empty into drains. Dispose of in accordance with local regulations and national regulations.
<b>Contaminated packaging:</b>	Do not re-use empty containers. This material and its container must be disposed of as hazardous waste. .

### 14. TRANSPORT INFORMATION

#### Product information

**Physical State:** Liquid

#### ADR/RID

**UN-No:** 3082  
**Proper shipping name:** Environmentally Hazardous Substance Liquid N.O.S.(Fluroxypyr and Clopyralid).  
**Hazard Class:** 9  
**Packing group:** III  
**Label** 9

#### IATA

**UN-No:** 3082  
**Proper shipping name:** Environmentally Hazardous Substance Liquid N.O.S.(Fluroxypyr and Clopyralid)  
**Hazard Class:** 9  
**Packing group:** III  
**Label** 9

#### IMO / IMDG

**UN-No:** 3082  
**Proper shipping name:** Environmentally Hazardous Substance Liquid N.O.S.(Fluroxypyr and Clopyralid)  
**Hazard Class:** 9  
**Packing group:** III  
**Description:** Marine Pollutant  
**Label** 9  
**EmS:** F-A, S-F

### 15. REGULATORY INFORMATION

#### Indication of danger:

Xn - Harmful.  
 N - Dangerous for the environment.

**15. REGULATORY INFORMATION****R -phrase(s)**

R20 - Harmful by inhalation.

R36/38 - Irritating to eyes and skin.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S -phrase(s)**

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S35 - This material and its container must be disposed of in a safe way.

S57 - Use appropriate container to avoid environmental contamination.

**Registration number UK/Eire**

MAPP 13912

**16. OTHER INFORMATION****Text of R Phrases mentioned in Section 3**

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

R65 - Harmful: may cause lung damage if swallowed.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Reason for revision:**

\*\*\* Indicates changes since the last revision. This version replaces all previous versions

**Prepared by:**

Regulatory Affairs Department.

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**End of Safety Data Sheet**