

# MATERIAL SAFETY DATA SHEET

According to EC Regulation 1907/2006

Print Date: 01-Jul-2013

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## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Identification of the substance or preparation

MSDS Ref. No.: P50040  
Product Name: Praxys

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

#### Recommended Use

Restricted to professional users.

#### Uses advised against

Consumer use.

### Company/undertaking identification

Everris International BV  
Nijverheidsweg 1-5; 6422 PD Heerlen (NL)  
Tel: +31 (0) 45-5609100; Fax: +31 (0) 45-5609190

#### Emergency telephone number:

+44 1235 239 670 (24h)

#### Email

INFO-MSDS@EVERRIS.com

## 2. Hazards Identification

### Classification

#### Indication of danger:

The product is classified and labelled in accordance with Directive 1999/45/EC  
To avoid risks to man and the environment, comply with the instructions for use.

Xn - Harmful

N - Dangerous for the environment

#### R-phrases

R20 - Harmful by inhalation

R36/38 - Irritating to eyes and skin

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

**S -phrase(s)**

S 2 - Keep out of the reach of children

S13 - Keep away from food, drink and animal feedingstuffs

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

S46 - If swallowed, seek medical advice immediately and show this container or label

S57 - Use appropriate container to avoid environmental contamination

**3. Composition/information on Ingredients****Chemical nature of the preparation**

| Ingredients                         | CAS-No      | Weight % | EC-No.    | Classification            | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH registration number |
|-------------------------------------|-------------|----------|-----------|---------------------------|---|---------------------------|
| Naphtha (petroleum), heavy aromatic | 64742-94-5  | > 25%    | 265-198-5 | Xn;R65                    | Asp. Tox. 1 (H304)  | no data available         |
| Octanamide, N,N-dimethyl            | 001118-92-9 | 10 - 25% | 214-272-5 | Xi;R38-41                 | no data available   | no data available         |
| Fluroxypyr                          | 69377-81-7  | 10 - 25% | 279-752-9 | N;R50/53                  | Aquatic Chronic 3 (H412)  | no data available         |
| Clopyralid                          | 1702-17-6   | 5 - 10%  | 216-935-4 | N;R51/53<br>Xi;R41        | Eye Dam. 1 (H318)<br>Aquatic Chronic 2 (H411)                   | no data available         |
| Calcium dodecyl-benzene sulfonate   | 70528-83-5  | 1 - 5%   | 274-654-2 | Xi;R38<br>R41<br>N;R51/53 | no data available   | no data available         |
| Florasulam                          | 145701-23-1 | 0.1 - 1% | NE        | N;R50/53                  | Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410)              | no data available         |

NE = Non-Established.

For the full text of the R phrases mentioned in this Section, see Section 16Full text of H- and EUH-phrases: see section 16**4. First aid measures****4.1. Description of 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.

**Protection of first-aiders:** Low hazard for usual industrial or commercial handling.

**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.

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

No additional information available

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

None under normal processing

## 5. Fire-fighting measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media:**

High volume water jet.

**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. In case of fires, hazardous combustion gases are formed. Sulphur oxides (SO<sub>x</sub>). Nitrogen oxide (NO<sub>x</sub>). Hydrogen fluoride. Carbon oxides.

**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 personal protective equipment. 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:**

|   |   |
|---|---|
| <b>Technical measures/storage conditions:</b> | 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. Keep away from frost. |
| <b>Incompatible products:</b>                 | 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. Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke.

#### 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**

|                       |          |
|-----------------------|----------|
| <b>Physical state</b> | liquid   |
| <b>Color:</b>         | brown    |
| <b>Odor:</b>          | aromatic |

**Important Health Safety and Environmental Information**

|                                   |                                  |
|-----------------------------------|----------------------------------|
| <b>Melting point/range:</b>       | No information available         |
| <b>Flash Point:</b>               | > 100 (°C)                       |
| <b>Density:</b>                   | 1.04 g/cm <sup>3</sup> (20°C)    |
| <b>Solubility:</b>                | emulsifiable                     |
| <b>Vapour pressure</b>            | No information available         |
| <b>Vapour density</b>             | No information available         |
| <b>Explosive properties:</b>      | Doesn't present explosion hazard |
| <b>Flammability (solid, gas):</b> | Non-flammable                    |

**OTHER INFORMATION**

|                  |                |
|------------------|----------------|
| <b>pH:</b>       | 2.49           |
| <b>Viscosity</b> | 7.8 cSt @ 40°C |

## 10. Stability and Reactivity

|   |   |
|---|---|
| <b>Chemical stability</b>               | Stable under recommended storage conditions   |
| <b>Conditions to Avoid</b>              | No information available.   |
| <b>Hazardous Decomposition Products</b> | Danger of toxic gases in smoke in case of fire. Nitrogen oxides (NO <sub>x</sub> ). Carbon oxides (CO and CO <sub>2</sub> ). Sulphur oxides. Hydrogen fluoride. |

## 11. Toxicological Information

**Component Information**

|                        |              |
|------------------------|--------------|
| <i>Fluroxypyr</i>      |              |
| <b>LD50/oral/rat =</b> | > 5000 mg/kg |

**Product Information**

|                                 |              |
|---------------------------------|--------------|
| <b>LC50/inhalation/4h/rat =</b> | 3.35 mg/l    |
| <b>LD50/dermal/rat =</b>        | > 5000 mg/kg |
| <b>LD50/oral/rat =</b>          | > 3300 mg/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 severe irritation of the upper respiratory tract (nose and throat) and lungs. Prolonged excessive exposure to mist may cause serious adverse affects, even death. |
| <b>Ingestion:</b>    | Low toxicity if swallowed.  |

## 12. Ecological Information

**Product Information**

|  |  |
|--|--|
| <b>Aquatic toxicity:</b>   | VERY TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. |
| LC50/96h/rainbow trout = 7.1 mg/l.<br>EC50/48h/daphnia = 6.9 mg/l.<br>LD50 bee oral = > 86 microgram/bee.<br>LD50 bee contact = > 200 microgram/bee. |  |
| <b>Persistence and degradability</b>   | No persistent or cumulative effects were observed  |
| <b>Bioaccumulative potential</b>   | Does not bioaccumulate   |
| <b>Mobility in soil</b>  | No information available   |

**Component Information****13. Disposal Considerations**

|                                |   |
|--------------------------------|---|
| <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**

|                              |  |
|------------------------------|--|
| <b>Physical state:</b>       | liquid   |
| <b><u>ADR/RID</u></b>        |  |
| <b>UN-No:</b>                | 3082   |
| <b>Proper shipping name:</b> | Environmentally Hazardous Substance Liquid N.O.S. (Fluroxypyr, Clopyralid) |
| <b>Hazard Class:</b>         | 9  |
| <b>Packing group:</b>        | III  |
| <b><u>IATA</u></b>           |  |
| <b>UN-No:</b>                | 3082   |
| <b>Proper shipping name:</b> | Environmentally Hazardous Substance Liquid N.O.S. (Fluroxypyr, Clopyralid) |
| <b>Hazard Class:</b>         | 9  |
| <b>Packing group:</b>        | III  |
| <b><u>IMO / IMDG</u></b>     |  |
| <b>UN-No:</b>                | 3082   |
| <b>Proper shipping name:</b> | Environmentally Hazardous Substance Liquid N.O.S. (Fluroxypyr, Clopyralid) |
| <b>Description:</b>          | Marine pollutant   |
| <b>Hazard Class:</b>         | 9  |

**Packing group:**  
**EmS:**

III  
F-A, S-F

## 15. Regulatory information

**Indication of danger:**

The product is classified and labelled in accordance with Directive 1999/45/EC  
To avoid risks to man and the environment, comply with the instructions for use.

**In accordance with local and national regulations**

**Registration number (UK):**

MAPP 13912/PCS no. 03510

## 16. OTHER INFORMATION

**Text of R Phrases mentioned in Section 3**

R22 - Harmful if swallowed  
R38 - Irritating to skin  
R40 - Limited evidence of a carcinogenic effect  
R41 - Risk of serious damage to eyes  
R65 - Harmful: may cause lung damage if swallowed  
R66 - Repeated exposure may cause skin dryness or cracking

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

**Full text of H-Statements referred to under sections 2 and 3**

H302 - Harmful if swallowed  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H351 - Suspected of causing cancer  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
H411 - Toxic to aquatic life with long lasting effects

**Reason for revision:**

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

**Revision Date:**

01-Jul-2013

**Prepared by:**

Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)

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**End of Safety Data Sheet**