# SAFETY PRECAUTIONS

## Operator protection:

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

DO NOT BREATHE SPRAY.

WHEN USING DO NOT EAT. DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before eating and drinking or smoking and after work.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible)

# **Environmental protection:**

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from vards and roads.

# Storage and disposal:

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

# PROFESSIONAL USE ONLY

SHAKE WELL BEFORE USE. PROTECT FROM FROST.

Pack size: 2.0 Litres C

This label is compliant with the CPA Voluntary Initiative Guidance (UK only).



# Praxys

Product Registration Number: MAPP 13912/PCS No. 03510 An emulsifiable concentrate containing 144 g/litre (13.85% w/w) fluroxypyr-meptyl (100 g/litre acid equivalent), 80 g/litre (7.69% w/w) clopyralid and 2.5 g/litre (0.24% w/w) florasulam.

A post-emergence herbicide for use on MANAGED AMENITY TURF, including lawns, and AMENITY GRASSLAND for the control of DAISY, DANDELION, CLOVER, BUTTERCUP, RIBWORT PLANTAIN and other broad-leaved weeds.





Product Identifier according to Art.18 of Reg. (EC) No 1272/2008 [CLP]: Praxys®; Hydrocarbons, C10-C13, aromatics, <1% panhthalene

DANGER MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SKIN IRRITATION.

CAUSES SERIOUS EYE IRRITATION. HARMFUL IF INHALED.

VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

Wear protective gloves/clothing/eye/face protection.
IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do NOT induce vomiting.

Dispose of contents/container to a licensed waste disposal contractor or collection site except for empty clean triple rinsed containers which can be disposed of as non-hazardous waste.

TO AVOID RISKS TO HUMAN HEALTH AND THE ENVIRONMENT, COMPLY WITH THE INSTRUCTIONS FOR USE.

MAPP 13912/PCS No. 03510



FOR USE ONLY AS AN HORTICULTURAL HERBICIDE Maximum

Situation Individual Dose

> 2.0 litres product One per year

Maximum Number of

**Applications** 

Managed amenity turf, lawn, amenity grassland ner hectare

Read the label before use. Using this product in a manner that is inconsistent with the label may be an offence. Follow the Code of Practice for Using Plant Protection Products.

# READ DIRECTIONS FOR USE ON ATTACHED LEAFLET.

Manufactured ad Registered by:

Dow AgroSciences Limited

CPC2 Capital Park, Fulbourn, Cambridge, CB21 5XE.

Telephone: +44(0)1462 457272 Fax: +44(0)1462 426605

24 Hour Emergency

Telephone Number: +44 (0) 1553 761 251

Distributed by:

**Everris Limited** 

Epsilon House, West Road,

Inswich, IP3 9FJ

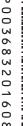
Telephone: +44 (0) 844 80904470

+44 (0) 1473 237 128

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TRIPLE RINSE CONTAINER. PUNCTURE AND INVERT TO DRY AT TIME OF USE

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work (UK only).



| DIRECTIONS FOR USE  |  | APPLICATION TIMING  |                              |   | MIXING   |  |  |  |
|---|--|---|------------------------------|---|--|--|--|--|
| IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.  GENERAL INFORMATION  |  | Apply when weeds are in active growth normally from March to October when the soil is moist. Do not apply in periods of drought unless irrigation is applied. Avoid mowing 3 days before and after spraying to ensure sufficient weed leaf surface is present and to allow uptake and movement of PRAXYS within the weed. |                              |   | Half fill the spray tank with water and add the required amount of PRAXYS. Fill up the spray tank, agitating continuously to ensure thorough mixing, and maintain agitation until spraying is complete. Use only clean water for mixing.  SPRAY QUALITY  |  |  |  |
| application is when the weeds are small and actively growing  |  | RATE OF APPLICATION AND WEEDS CONTROLLED  |                              |   | Apply PRAXYS as a MEDIUM spray as defined by the BCPC system.  |  |  |  |
|   |  | One application of PRAXYS v   | vill control susceptible eme | rged weeds at the following rates:  |  |  |  |  |
| NOTES   |  | Weed  | Rate L product/ha            | Rate mL product/100 m <sup>2</sup>  | TANK CLEANING  |  |  |  |
| Broad-leaved weeds not present at application will not be controlled.  An interval of four weeks must elapse between application of PRAXYS and re-seeding turf.  Do not use any plant material treated with PRAXYS for composting or mulching.  Do not apply if turfgrass is wet.  Do not apply if night temperatures are low, if ground frost is imminent, or in periods of prolonged cold or dry weather. Ensure weeds are actively growing as after periods of prolonged drought, weeds can take a long time to start actively growing again after soil moisture returns.  Take extreme care to avoid drift onto crops and non-target plants, e.g. trees, shrubs, bedding, outside the target area.  RESISTANCE  PRAXYS contains active ingredients with differing modes of action and the risk of resistance building is therefore reduced. However as florasulam is an ALS inhibitor there is a risk of resistance building to this active ingredient and so precautions should be taken to minimise the risk. Therefore, avoid using single mode of action herbicides, such as ALS inhibitors in the same field over a number of years. Users are advised to apply products containing herbicides with different modes of action or use sequences or tank mixtures where two or more components are active against the target weeds. |  | Bird's-foot trefoil' Black medick Bristly oxtongue Common cat's ear Creeping cinquefoil Sorrel White clover Common daisy Common dandelion Common mouse-ear Greater plantain Creeping buttercup  | 1.0 10                       |   | O avoid subsequent injury to crops other than managed amenity turf, lawns and ame grassland, all spraying equipment must be thoroughly cleaned both inside and out, us All Clear Extra spray cleaner as follows:  Immediately after spraying, drain tank completely. Any contamination on the outs of the spraying equipment should be removed by washing with clean water.  Rinse inside of tank with clean water and flush through booms and hoses using least one tenth of the spray tank volume. Drain tank completely.  Half fill tank with clean water and add All Clear Extra at the recommended or Agitate and then briefly flush the booms and hoses with the cleaning solution. up with water making sure the tank is completely full and allow to stand 15 minutes with agitation. Flush the booms and hoses and drain tank completely.  Nozzles and filters should be removed and cleaned separately with All Clear Extra per 10 litres of water.  Rinse the tank with clean water and flush through the booms and hoses using at leading the tooms and hoses on the content of the spray tank volume. Drain tank completely.  For disposal of washings, follow The Code of Practice for Using Plant Protec Products. Do not spray onto sensitive crop or land intended for cropping versions. |  |  |  |
|   |  | Ribwort plantain Self heal Spear thistle Slender speedwell  | 2.0                          | 20  | sensitive crop.  Note: If it is not possible to drain the tank completely, step 3 must be repeated before going onto step 4.   |  |  |  |
| AREA OF USE PRAXYS can be applied to established managed amenity turf, including lawns, and amenity grassland.  |  | ¹Moderate control only.  WATER VOLUME   |                              |   | Dow AgroSciences Conditions of Supply All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the guality or fitness for   |  |  |  |
| PRAXYS has been tested for selectivity on the   | For overall application apply PRAXYS in 200 litres of water per hectare. For knapsack application apply PRAXYS in 2 litres of water per 100 m <sup>2</sup> . |   |                              | any purpose of our goods are excluded. No responsibility will be accepted by us |  |  |  |  |
|   | , , ,  |   |                              |   | re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or   |  |  |  |
| Chewings fescue Smooth-stalked meadow-grass Creeping bent Rough stalked bluegrass   |  | PRAXYS may be applied through tractor-mounted hydraulic sprayers or knapsack sprayers providing they are in good working order and have been calibrated according to the  |                              |   | agents whether or not they supervise or assist in the use of such goods.   |  |  |  |
|   |  |   |                              |   |  |  |  |  |

| Safety Data Sheet  | Signal word: DANGER                               |                         |                                |  |                             | CASRN /                 | REACH                |                       |                                     | Classification:              |
|--|---|-------------------------|--------------------------------|--|-----------------------------|-------------------------|----------------------|-----------------------|-------------------------------------|------------------------------|
| This Safety Data Sheet does not form part of the approved product label.   | Hazard statements                                 |                         |                                | EC-No./  | Registration                | Concentration           | Component            | REGULATION<br>(EC) No |                                     |                              |
| SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND   | H332  | Harmful if inha         |                                |  |                             | Index-No.               | Number               |                       |                                     | (EC) No<br>1272/2008         |
| i i  | H315  | Causes skin ir          |                                |  |                             | CASRN                   |                      | 7.7%                  | clopyralid (ISO)                    | Eye Dam 1 -                  |
| OF THE COMPANY/UNDERTAKING   | H319  | Causes serious          | •                              |  | _                           | 1702-17-6               | -                    | 7.770                 | ciopyralia (130)                    | H318                         |
| 1.1 Product identifier Product name: PRAXYS Herbicide  | H304  |                         |                                | and enters airways.                              |                             | EC-No.                  |                      |                       |                                     |                              |
| 1.2 Relevant identified uses of the substance or mixture and uses advised against  | H410  | Very toxic to a         | aquatic life w                 | ith long lasting effect                          | is.                         | 216-935-4<br>Index-No.  |                      |                       |                                     |                              |
| Identified uses: Plant Protection Product  | Precautionary statements                          |                         |                                |  | 607-231-00-1                |                         |                      |                       |                                     |                              |
| 1.3 Details of the supplier of the safety data sheet<br>COMPANY IDENTIFICATION   | P280  |                         | ve gloves/ pr                  | otective clothing/ eye                           | e protection/ face          | CASRN                   | _                    | 0.2%                  | Florasulam (ISO)                    | Aquatic Acute -              |
| COMPANY IDENTIFICATION DOW AGROSCIENCES LIMITED  | P301 + P310                                       | protection.             | ED: Immedia                    | tely call a POISON CE                            | ENTER or doctor/            | 145701-23-1             |                      |                       |                                     | 1 - H400                     |
| DOW AGROSCIENCES LIMITED<br>LATCHMORE COURT  | F301 + F310                                       | physician.              | ED. IIIIIIleula                | itely call a PUISON of                           | ENTER OF dOCION             | EC-No.<br>Not available |                      |                       |                                     | Aquatic Chronic              |
| BRAND STREET<br>HITCHIN  | P302 + P352                                       |                         |                                | enty of soap and wate                            |                             | Index-No.               |                      |                       |                                     |                              |
| England  | P304 + P340                                       |                         |                                | m to fresh air and kee                           | ep at rest in a             | 613-230-00-7            |                      |                       |                                     |                              |
| SGŠ 1NH<br>United Kingdom  | P305 + P351 + P338                                | position comfo          |                                | reatning.<br>sly with water for sev              | aral minutes                | CASRN                   | 01-                  | > 40.0 - <            | Hydrocarbons,                       | Asp. Tox 1 - H304            |
| Customer Information Number:   | F303 + F331 + F330                                | Remove conta            | act lenses, if                 | present and easy to d                            | do. Continue                | not available<br>EC-No. | 2119451097-39        | 50.0 %                | C10-C13, aromatics, <1% naphthalene | Aguatic Chronic              |
| SDSQuestion@dow.com  |   | rinsing.                |                                |  |                             | 922-153-0               |                      |                       | C176 Hapitalalono                   | - 2 - H411                   |
| 1.4 EMERGENCY TELEPHONE NUMBER   | P331  | Do NOT induc            |                                |  |                             | Index-No.               |                      |                       |                                     |                              |
| <b>24-Hour Emergency Contact</b> : 0031 115 694 982  | P501  | dispose of cor          | ntents/conta<br>ractor or coll | iner to a licensed haz<br>ection site except for | ardous-waste<br>empty clean | -                       |                      | 40.0                  |                                     | 1                            |
| Local Emergency Contact: 00 31 115 69 4982   |   | containers wh           | ich can be d                   | isposed of as non-ha                             | zardous waste.              | CASRN<br>1118-92-9      | -                    |                       | N,N-<br>Dimethyloctanamide          | Skin Irrit 2 -               |
| SECTION 2. HAZARDS IDENTIFICATION  | Supplemental informa                              | ation                   |                                |  |                             | EC-No.                  |                      | 20.0 /0               | Dimoni Jiootana mao                 | Eye Dam 1 -                  |
|  | EUH401  |                         | to human h                     | ealth and the environ                            | ment comply                 | 214-272-5<br>Index-No.  |                      |                       |                                     | H318                         |
| 2.1 Classification of the substance or mixture   | 2011101   | with the instru         |                                |  | imoni, compiy               | -                       |                      |                       |                                     | ]                            |
| Classification according to Regulation (EC) No 1272/2008: Acute toxicity - Category 4 - Inhalation - H332                        | Contains  | Hydrocarbons            | c10-C13                        | romatice ∠1% nanh                                | nthalene                    | CASRN                   | 01-                  | < 5.0 %               | Benzenesulfonic                     | Acute Tox 4 -                |
| Acute toxicity - Category 4 - Inhalation - H332<br>Skin irritation - Category 2 - H315   |   |                         |                                |  |                             | 26264-06-2              | 2119560592-37        |                       | acid, dodecyl-,                     | H302                         |
| Eye irritation - Category 2 - H319<br>Aspiration toxicity - Category 1 - H304  | 2.3 Other hazards No data available               |                         |                                |  |                             | <b>EC-No.</b> 247-557-8 |                      |                       | calcium salt                        | Skin Irrit 2 -<br>H315       |
| Acute aquatic toxicity - Category 1 - H400   | ivo data available                                |                         |                                |  | Index-No.                   |                         |                      |                       | Eye Irrit 2 -                       |                              |
| Chronic aquatic toxicity - Category 1 - H410<br>For the full text of the H-Statements mentioned in this Section, see Section 16. | SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS |                         |                                | -  |                             |                         |                      | H319                  |                                     |                              |
| 2.2 Label elements   | 3.2 Mixtures                                      |                         |                                |  |                             | CASRN                   | 01-<br>2119463583-34 |                       | Hydrocarbons, C10,                  | STOT SE - 3 -                |
| Labelling according to Regulation (EC) No 1272/2008:   | This product is a mixto                           | ure                     |                                |  |                             | Not Available<br>EC-No. | 2119463583-34        |                       | aromatics, <1%                      | H336<br>Asp. Tox 1 -         |
| Hazard pictograms  |   |                         |                                |  | Classification:             | 918-811-1               |                      |                       |                                     | H304                         |
|  |   | REACH<br>aistration Cor | ncentration                    | Component  | REGULATION                  | Index-No.               |                      |                       |                                     | Aquatic Chronic   - 2 - H411 |
|  |   | Number                  |                                | Component  | (EC) No<br>1272/2008        | CASRN                   |                      | < 1.0 %               | Naphthalene                         | Acute Tox 4 -                |
| AV.  |   |                         |                                |  |                             | 91-20-3                 | -                    | < 1.0 %               | Napitinalene                        | H302                         |
| ¥/3  | CASRN<br>81406-37-3                               | -                       | 13.9%                          | fluoroxypyr-meptyl<br>(ISO)                      | Aquatic Acute -<br>1 - H400 | EC-No.                  |                      |                       |                                     | Carc 2 - H351                |
|  | EC-No.  |                         |                                | (IOU)  | Aquatic Chronic             | 202-049-5<br>Index-No.  |                      |                       |                                     | Aquatic Acute -              |
|  | 279-752-9<br>Index-No.                            |                         |                                |  | - 1 - H410                  | 601-052-00-2            |                      |                       |                                     | Aquatic Chronic              |
| * *  | 607-272-00-5                                      |                         |                                |  |                             |                         |                      |                       |                                     | - 1 - H410                   |
|  | 1   | 1                       |                                |  | 1                           |                         |                      |                       |                                     |                              |

country specific OEL value(s) is(are) indicated under Section 8, are being disclosed as voluntarily disclosed components. 5.1 Extinguishing media

For the full text of the H-Statements mentioned in this Section, see Section 16.

If present in this product, any not classified components disclosed above for which no

# **SECTION 4. FIRST AID MEASURES**

# 4.1 Description of first aid measures

General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment

Inhalation: Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer

protection (pocket mask etc). Call a poison control center or doctor for treatment advice. If breathing is difficult, oxygen should be administered by qualified personnel. 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 eyes 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 eyes. Call a poison control center or doctor for treatment advice. Suitable emergency eye wash facility

should be available in work area Ingestion: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the

person. Do not give anything by mouth to an unconscious person. 4.2 Most important symptoms and effects, both acute and delayed: Aside from the

information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, reactive airways dysfunction syndrome). Maintain adequate ventilation and oxygenation of the patient. May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. Respiratory symptoms, including pulmonary edema. may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. The decision of whether to induce vomiting or not

should be made by a physician. No specific antidote, Treatment of exposure should be

directed at the control of symptoms and the clinical condition of the patient. Have the Safety

Data Sheet, and if available, the product container or label with you when calling a poison

control center or doctor, or going for treatment.

# **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media: Water fog or fine spray. Dry chemical fire extinguishers Carbon dioxide fire extinguishers. Foam, Alcohol resistant foams (ATC type) are preferred

General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective. Unsuitable extinguishing media: Do not use direct water stream. May spread fire.

5.2 Special hazards arising from the substance or mixture Hazardous combustion products: During a fire, smoke may contain the original material

in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Sulfur oxides. Nitrogen oxides. Hydrogen fluoride. Carbon monoxide. Carbon dioxide.

Unusual Fire and Explosion Hazards: Violent steam generation or eruption may occu upon application of direct water stream to hot liquids.

Consider feasibility of a controlled burn to minimize environment damage. Foam fire

### 5.3 Advice for firefighters Fire Fighting Procedures: Keep people away, Isolate fire and deny unnecessary entry

extinguishing system is preferred because uncontrolled water can spread possible contamination. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage, Review the "Accidental Release Measures" and the "Ecological Information" sections of this (M)SDS.

resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

to natural waterways is likely to kill aquatic organisms.

6.1 Personal precautions, protective equipment and emergency procedures: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Keep upwind of spill. Ventilate area of leak or spill. Refer to section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8

Exposure Controls and Personal Protection. 6.2 Environmental precautions: Prevent from entering into soil, ditches, sewers waterways and/or groundwater. See Section 12, Ecological Information, Spills or discharge

possible. Small spills: Absorb with materials such as: Clay. Dirt. Sand. Sweep up. Collect in suitable and properly labeled containers, Large spills; Contact Dow AgroSciences for clean-up assistance. See Section 13, Disposal Considerations, for additional information.

> 6.4 Reference to other sections: References to other sections, if applicable, have been provided in the previous sub-sections.

> 6.3 Methods and materials for containment and cleaning up: Contain spilled material if

**SECTION 7. HANDLING AND STORAGE** 

7.1 Precautions for safe handling: Keep out of reach of children. Do not swallow. Avoid

contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Wash thoroughly after

handling. Keep container closed. Use with adequate ventilation. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION. 7.2 Conditions for safe storage, including any incompatibilities: Store in a dry place. Store in original container. Keep container tightly closed when not in use. Do not store near

food, foodstuffs, drugs or potable water supplies. 7.3 Specific end use(s): Refer to product label.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

# Exposure limits are listed below, if they exist

Component Regulation Type of listing

Value/Notation Dow IHG TWA 10 ma/m3

fluoroxypyr-meptyl (ISO)

clopyralid (ISO) Dow IHG TWA 10 ma/m3

Florasulam (ISO) GB EH40 Special protective equipment for firefighters: Wear positive-pressure self-contained

91/322/EEC

10 ppm

10 ppm

15 ppm

Absorbed via skin

Absorbed via skin

Absorbed via skin

50 mg/m3 10 ppm

Naphthalene ACGIH TWA

ACGIH

breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire TWA Dow IHG fighting operations. If contact is likely, change to full chemical resistant fire fighting Dow IHG clothing with self-contained breathing apparatus. If this is not available, wear full chemical Dow IHG STFL Dow IHG

> RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING

8.2 Exposure controls Engineering controls: Use engineering controls to maintain airborne level below exposure

limit requirements or quidelines. If there are no applicable exposure limit requirements or

quidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary

for some operations.

| Individual protection measures   | Melting point/range            | Not applicable   |  |  |  |
|--|--------------------------------|--|--|--|--|
| Eve/face protection: Use chemical goggles. Chemical goggles should be consistent   | Freezing point/range           | No test data available   | SECTION 11. TOXICOLOGICAL INFORMATION  |  |  |
| with EN 166 or equivalent.   | Boiling point (760 mmHg)       | No test data available   | Toxicological information appears in this section when such data is available.   |  |  |
| Skin protection  |                                | > 100 °C Pensky-Martens Closed Cup ASTM D 93   |  |  |  |
| Hand protection: Use chemical resistant gloves classified under Standard   | Evaporation Rate (Butyl        | No test data available   | 11.1 Information on toxicological effects  |  |  |
| EN374: Protective gloves against chemicals and micro-organisms. Examples   | Acetate = 1)                   | 140 toot data available  | Acute toxicity   |  |  |
| of preferred glove barrier materials include: Polyethylene. Ethyl vinyl alcohol  | Flammability (solid, gas)      | Not applicable to liquids  | Acute oral toxicity  |  |  |
| laminate ("EVAL"). Styrene/butadiene rubber. Viton. Examples of acceptable   |                                | No test data available   | Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts |  |  |
| glove barrier materials include: Butyl rubber. Chlorinated polyethylene. Natural   | Upper explosion limit          | No test data available   | manding operations are not likely to cause injury; nowever, swallowing larger amounts ; may cause injury.  |  |  |
| rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR").   | Vapor Pressure                 | No test data available   |  |  |  |
| Polyvinyl chloride ("PVC" or "vinyl"). When prolonged or frequently repeated   | Relative Vapor Density         | No test data available   | As product:  |  |  |
| contact may occur, a glove with a protection class of 4 or higher (breakthrough  | (air = 1)                      |  | LD50, Rat, 3,378 mg/kg Estimated.  |  |  |
| time greater than 120 minutes according to EN 374) is recommended.   |                                | 1.0399 at 20 °C / 4 °C Digital Density Meter   | Acute dermal toxicity  |  |  |
| When only brief contact is expected, a glove with a protection class of 1 or   | = 1)                           | (Oscillating Coil)   | Prolonged skin contact is unlikely to result in absorption of harmful amounts.   |  |  |
| higher (breakthrough time greater than 10 minutes according to EN 374) is recommended. NOTICE: The selection of a specific glove for a particular                    | Water solubility               | No test data available   | As product:  |  |  |
| application and duration of use in a workplace should also take into account all   | Partition coefficient:         | No data available  | LD50, Rat, male and female, > 5,000 mg/kg  |  |  |
| relevant workplace factors such as, but not limited to: Other chemicals which  | n-octanol/water                |  | Acute inhalation toxicity  |  |  |
| may be handled, physical requirements (cut/puncture protection, dexterity,   | Auto-ignition temperature      | none below 400 degC  | Mist may cause severe irritation of the upper respiratory tract (nose and throat) and  |  |  |
| thermal protection), potential body reactions to glove materials, as well as the   | Decomposition temperature      | No test data available   | lungs. Prolonged excessive exposure to mist may cause serious adverse effects, even  |  |  |
| instructions/specifications provided by the glove supplier.  | Kinematic Viscosity            | 7.8 cSt at 40 °C   | death. For narcotic effects: No relevant data found.   |  |  |
| Other protection: Use protective clothing chemically resistant to this material.   | Explosive properties           | No   | i i  |  |  |
| Selection of specific items such as face shield, boots, apron, or full body suit   | Oxidizing properties           | No   | As product: LC50, Rat, female, 4 Hour, dust/mist, 3.35 mg/l Estimated.   |  |  |
| will depend on the task.   | 9.2 Other information          |  |  |  |  |
| Respiratory protection: Respiratory protection should be worn when there is a  | Molecular weight               | No data available  | Skin corrosion/irritation  |  |  |
| potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. | Surface tension                | 36.1 mN/m at25 °C  | Brief contact may cause moderate skin irritation with local redness.  Effects may be slow to heal.   |  |  |
| Selection of air-purifying or positive-pressure supplied-air will depend on the specific   |                                |  |  |  |  |
| operation and the potential airborne concentration of the material. For emergency  | as a specification.            | nted above are typical values and should not be construed  | Serious eye damage/eye irritation  |  |  |
| conditions, use an approved positive-pressure self-contained breathing apparatus.  | as a specification.            |  | May cause moderate eye irritation.   |  |  |
| Use the following CE approved air-purifying respirator: Organic vapor cartridge with   | SECTION 10. STABILIT           | Y AND REACTIVITY   | May cause slight corneal injury.   |  |  |
| a particulate pre-filter, type AP2.  |                                |  | Sensitization Did not cause allergic skin reactions when tested in quinea pigs.  |  |  |
| 1 21   |                                | reaction known under conditions of normal use.   |  |  |  |
| Environmental exposure controls<br>  See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for   | 10.2 Chemical stability: Thern | nally stable at typical use temperatures.  | For respiratory sensitization:   |  |  |
| measures to prevent excessive environmental exposure during use and waste disposal.  | 10.3 Possibility of hazardous  | reactions: Polymerization will not occur.  | No relevant data found.  |  |  |
| model to provent encounts environmental exposure during use and waste disposal.  |                                | ne components of this product can decompose at elevated  |  |  |  |
| SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES  |                                | gas during decomposition can cause pressure in closed  | Specific Target Organ Systemic Toxicity (Single Exposure) Evaluation of available data suggests that this material is not an STOT-SE toxicant.                               |  |  |
| 9.1 Information on basic physical and chemical properties  | systems.                       | accomposition out outdo produtto ill 010300  |  |  |  |
| 9.1 Information on basic physical and chemical properties  | *                              | Avoid contact with: Strong acids. Strong bases. Strong   | Specific Target Organ Systemic Toxicity (Repeated Exposure)  |  |  |
| 1 **   | oxidizers.                     | Avoid contact with otherly acids. Otherly pases, offelly   | For the major component(s):  |  |  |
| Physical state Liquid.   |                                | tion medicates Decorrection and the decor  | In animals, effects have been reported on the following organs:  |  |  |
| Color Yellow to brown Odor Aromatic  |                                | tion products: Decomposition products depend upon  | Lung.<br>Gastrointestinal tract.   |  |  |
|  |                                | he presence of other materials. Decomposition products to: Carbon monoxide. Carbon dioxide. Hydrogen fluoride. | Gastrointestinal tract. Thyroid.   |  |  |
| Odor Threshold No test data available 2.49 CIPAC MT 75 (1% aqueous suspension)   |                                | i to: Carbon monoxide. Carbon dioxide. Hydrogen fluoride. Toxic gases are released during decomposition.       | Urinary tract.   |  |  |
| μπ 2.49 GPAC INT 75 (1% aqueous suspension)  | withogen unides. Sundi unides. | tonic gases are released during decomposition.   | Officery tract.  |  |  |

| from exposure due to use.<br>For the minor component(s):<br>In animals, effects have been reported on the following organs:  | oral LD50, Apis mellifera (bees), 48 Hour, > 86 contact LD50, Apis mellifera (bees), 48 Hour, > <b>Toxicity to soil-dwelling organisms</b> LC50, Eisenia fetida (earthworms), 14 d, 248.2   | · 200μg/bee   | Photodegradation Atmospheric half-life: 1.82 Hour Method: Estimated.  Hydrocarbons, C10-C13, aromatics, <1% naphthalene Biodegradability: For similar material(s): Biodegradation may occur under aerobic  |
|--|---|---|--|
| Carcinogenicity For the active ingredient(s): Did not cause cancer in laboratory animals.  Teratogenicity Clopyralid caused birth defects in test animals, but only at greatly exaggerated doses that were severely toxic to the mothers. No birth defects were observed in animals given clopyralid at doses several times greater than those expected during normal exposure. For the active ingredient(s): Fluroxypyr 1-methylheptyl ester. Has been toxic to the fetus in laboratory animals at doses toxic to the mother.  Reproductive toxicity In animal studies, active ingredient did not interfere with reproduction.  Mutagenicity For the active ingredient(s): In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.  Aspiration Hazard May be fatal if swallowed and enters airways. | 12.2 Persistence and degradability fluoroxypyr-meptyl (ISO) Biodegradability: Material is not readily bio guidelines. 10-day Window: Fail Biodegradation: 32 % Exposure time: 28 d Method: OECD Test Guideline 301D or Equi Theoretical Oxygen Demand: 2.2 mg/mg Stability in Water (1/2-life) , half-life, 454 d clopyralid (ISO) Biodegradability: Material is expected to bi Fails to pass OECD/EEC tests for ready biod | ivalent iodegrade very slowly (in the environment). | Biodegradation: 95 %   |
| SECTION 12. ECOLOGICAL INFORMATION   | 10-day Window: Fail Biodegradation: 5 - 10 % Exposure time: 28 d  |   | Exposure time: 28 d Method: OECD Test Guideline 301E or Equivalent Hydrocarbons, C10, aromatics, <1% naphthalene   |
| Ecotoxicological information appears in this section when such data is available.  12.1 Toxicity Acute toxicity to fish Material is very toxic to aquatic organisms (LC50/EC50/IC50 below 1 mg/L in the most sensitive species).   | Method: OECD Test Guideline 3018 or Equi<br>Theoretical Oxygen Demand; 0.71 mg/mg<br>Stability in Water (1/2-life)<br>Hydrolysis, pH 4 - 9, Stable  |   | Biodegradability: Material is inherently biodegradable (reaches > 20% biodegradation in OECD test(s) for inherent biodegradability).  Naphthalene Biodegradability: Material is expected to be readily biodegradable.  12.3 Bioaccumulative potential  |
| LC50, Oncorhynchus mykiss (rainbow trout), flow-through test, 96 Hour, 7.1 mg/l, OECD Test Guideline 203 or Equivalent  Acute toxicity to aquatic invertebrates EC50, Daphnia magna (Water flea), static test, 48 Hour, 6.9 mg/l, OECD Test Guideline 202 or Equivalent  Acute toxicity to algae/aquatic plants ErC50, Pseudokirchneriella subcapitata (green algae), 72 Hour, Biomass, 3.1 mg/l,  | Photodegradation Test Type: Half-life (direct photolysis) Florasulam (ISO) Biodegradability: Material is expected to bi Fails to pass OECD/EEC tests for ready biod 10-day Window: Fail Biodegradation: 2 %   |   | fluoroxypyr-meptyl (ISQ) Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Partition coefficient: n-octanol/water(log Pow): 5.04 Measured Bioconcentration factor (BCF): 26 Oncorhynchus mykiss (rainbow trout) Measured clopyralid (ISQ) Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Partition coefficient: n-octanol/water(log Pow): -2.63 |
| OECD Test Guideline 201 or Equivalent  ErC50, Lemna gibba, 7 d, Growth rate inhibition, 0.42 mg/l  ErC50, diatom Navicula sp., 72 Hour, Biomass, 1.7 mg/l, OECD Test Guideline 201 or  Equivalent  | Exposure time; 28 d Method: OEOD Test Guideline 301B or Equi Theoretical Oxygen Demand: 0.85 mg/mg Biological oxygen demand (BOD) Incubation Time   | valent  | Bioconcentration factor (BCF): < 1 Fish Measured  Florasulam (ISO) Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Partition coefficient: n-octanol/water(log Pow): -1.22 Bioconcentration factor (BCF): 0.8 Fish 28 d Measured   |
| Toxicity to Above Ground Organisms Material is practically non-toxic to birds on an acute basis (LD50 > 2000 mg/kg).   |   | 0.012 mg/mg   | <u>Hydrocarbons, C10-C13, aromatics, &lt;1% naphthalene</u> Bioaccumulation: No data available for this product. For similar material(s):  |
| oral LD50, Colinus virginianus (Bobwhite quail), > 2250mg/kg bodyweight.   | Stability in Water (1/2-life)<br>, > 30 d   |   | Bioconcentration potential is high (BCF > 3000 or Log Pow between 5 and 7).  |

| N.N-Dimethyloctanamide Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Partition coefficient: n-octanol/water(log Pow): 2.59 at 23 °C   | clopyralid (ISO) This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).  | This s  | bons, C10, aromatics, <1% naphth<br>substance is not in Annex I of Regula<br>te the ozone layer.  | alene<br>ation (EC) No 1005/2009 on substances that   |
|--|---|---|---|---|
| Benzenesulfonic acid, dodecyl-, calcium salt  Bioaccumulation: Bioconcentration potential is high (BCF > 3000 or Log Pow between 5 and 7).  Bentil: a conficient in categorium potential is 70 estimated.  | Florasulam (ISO) This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).  |   |   | ttion (EC) No 1005/2009 on substances that  |
| Partition coefficient: n-octanol/water(log Pow): 6.78 estimated  Hydrocarbons, C10, aromatics, <1% naphthalene  Bioaccumulation: No data available for this product. For similar material(s): Bioconcentration potential is high (BCF > 3000 or Log Pow between 5 and 7).  Naphthalene  Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5).  Partition coefficient: n-octanol/water(log Pow): 3.3 Measured  Bioconcentration factor (BCF): 40 - 300 Fish 28 d Measured  12.4 Mobility in soil  fluoroxypyr-meptyl (ISO)  Expected to be relatively immobile in soil (Koc > 5000).  Partition coefficient(Koc): 6200 - 43000  clopyralid (ISO) | Hydrocarbons, C10-C13, aromatics, <1% naphthalene  This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).  N.N-Dimethyloctanamide  This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).  Benzenesulfonic acid, dodecyl-, calcium salt  This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).  Hydrocarbons, C10, aromatics, <1% naphthalene  This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).  Naphthalene | 13.1 Was If wastes disposal authoritie identifica used or o the toxic waste ide the mater laws. The defin EWC cod | of this material must be in acco<br>s. This information presented below<br>tion based on characteristic(s) or lis<br>therwise contaminated. It is the resp-<br>ty and physical properties of the in<br>intification and disposal methods in<br>ial as supplied becomes a waste, fol | d of according to the product label directions, rdance with your local or area regulatory only applies to the material as supplied. The sting may not apply if the material has been onsibility of the waste generator to determine material generated to determine the proper n compliance with applicable regulations. If low all applicable regional, national and local he appropriate EWC group and thus its proper ade of this material. Contact the authorized |
| Potential for mobility in soil is very high (Koc between 0 and 50).  Partition coefficient(Koc): 4.9   | This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).   |   | ON 14. TRANSPORT INFOR  | MATION  |
| Florasulam (ISO) Potential for mobility in soil is very high (Koc between 0 and 50). Partition coefficient(Koc): 4 - 54 Hydrocarbons, C10-C13, aromatics, <1% naphthalene  | 12.6 Other adverse effects  fluoroxypyr-meptyl (ISO)  This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.  | Classifica<br>14.1<br>14.2  | ation for ROAD and Rail transport ( <i>I</i><br>UN number<br>Proper shipping name   | ADR/RID): UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Fluroxypyr,   |
| No relevant data found.  N.N-Dimethyloctanamide  No relevant data found.  Benzenesulfonic acid, dodecyl-, calcium salt   | clopyralid (ISO) This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.  Florasulam (ISO) This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that   | 14.3<br>14.4<br>14.5<br>14.6  | Class<br>Packing group<br>Environmental hazards<br>Special precautions for user   | Clopyralid)<br>9<br>III<br>Fluroxypyr, Clopyralid<br>Hazard Identification Number: 90   |
| No relevant data found.  Hydrocarbons, C10, aromatics, <1% naphthalene  No relevant data found.  Naphthalene  Naphthalene  | deplete the ozone layer.  Hydrocarbons. C10-C13, aromatics, <1% naphthalene This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.  | Classifica<br>14.1<br>14.2  | ation for SEA transport (IMO-IMDG):<br>UN number<br>Proper shipping name  | UN 3082<br>ENVIRONMENTALLY HAZARDOUS  |
| Potential for mobility in soil is medium (Koc between 150 and 500).  Partition coefficient(Koc): 240 - 1300 Measured  12.5 Results of PBT and vPvB assessment  fluoroxypyr-meptyl (ISO)  | N.N-Dimethyloctanamide This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.   | 14.3<br>14.4  | Class<br>Packing group  | SUBSTANCE, LIQUID, N.O.S.(Fluroxypyr,<br>Clopyralid)<br>9<br>III  |
| This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).  | Benzenesulfonic acid, dodecyl-, calcium salt  This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.  | 14.5<br>14.6  | Environmental hazards<br>Special precautions for user   | Fluroxypyr, Clopyralid<br>EmS: F-A, S-F   |

|  | to Anney Lor II of MARPOL Consult INIO regulations before |  | SECTION 16. OTHER INFORMATION   | with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied            |  |  |  |  |
|--|---|--|---|--|--|--|--|--|
|  | 73/78 and the IBC or IGC Code                             | transporting ocean bulk  | Full text of H-Statements referred to under sections 2 and 3.   | is given. Regulatory requirements are subject to change and may differ between various   |  |  |  |  |
|  |   |  | H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways.   | locations. It is the buyer's/user's responsibility to ensure that his activities comply wit all federal, state, provincial or local laws. The information presented here pertains only t |  |  |  |  |
| 14.1   | UN number   | UN 3082  | H315 Causes skin irritation.  | the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary       |  |  |  |  |
| 14.2   |   | Environmentally hazardous substance, liquid, n.o.s.(Fluroxypyr, Clopyralid)  | H318 Causes serious eye damage. H319 Causes serious eye irritation.   | for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs.           |  |  |  |  |
| 14.3   | Class   | 9  | H332 Harmful if inhaled. H336 May cause drowsiness or dizziness.  | obtained from any source other than ourselves. If you have obtained an (M)SDS from   |  |  |  |  |
| 14.4   | Packing group   | III  | H351 Suspected of causing cancer.   | another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.   |  |  |  |  |
|  | Environmental hazards                                     | Not applicable   | H400 Very toxic to aquatic life.  | us for the most current version.   |  |  |  |  |
|  |   | No data available.   | <ul> <li>H410 Very toxic to aquatic life with long lasting effects.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> </ul>   |  |  |  |  |  |
| 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. |   | uct. Transportation classifications may vary<br>regional or country variations in regulations.<br>an be obtained through an authorized sales<br>sponsibility of the transporting organization<br>rules relating to the transportation of the | Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008  Acute Tox 4 - H332 - On basis of test data.  Skin Irrit 2 - H315 - On basis of test data.  Eye Irrit 2 - H319 - On basis of test data.  Asp. Tox 1 - H304 - Calculation method.  Aquatic Acute - 1 - H400 - On basis of test data. |  |  |  |  |  |
| SECTION 15. REGULATORY INFORMATION   |   | RMATION  | Aquatic Chronic - 1 - H410 - On basis of test data.   |  |  |  |  |  |
| 15.1 Safety, health and environmental regulations/legislation specific for the substance   |   | tions/legislation specific for the substance   | Revision<br>Identification Number: 101189121 / A293 / Issue Date: 22.09.2015 / Version: 3.2   |  |  |  |  |  |
| or mixture  REACh Regulation (EC) No 1907/2006  This product contains only components that have been either pre-registered, registered, are exempt from registration, are regarded as registered or are not subject to registration  |   |  | DAS Code: GF-1374  Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.   |  |  |  |  |  |
| according to Regulation (EC) No. 1907/2006 (REACH)., The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.   |   | REACH)., The aforementioned indications of good faith and believed to be accurate as of arranty, express or implied, is given. It is the   | Legend 91/322/EEC Europe. Commission Directive 91/322/EEC on establishing indicative limit values Absorbed via skin Absorbed via skin   |  |  |  |  |  |
| Seveso III:  | Directive 2012/18/EU of the Europ                         | pean Parliament and of the Council on the  | ACGIH USA. ACGIH Threshold Limit Values (TLV)  Dow IHG Dow Industrial Hygiene Guideline   |  |  |  |  |  |
| control of major-accident hazards involving dangerous substances. Listed in Regulation: ENVIRONMENTAL HAZARDS Number in Regulation: E1   |   |  | Dow IHG Dow Industrial Hygiene Guideline  GB EH40 UK. EH40 WEL - Workplace Exposure Limits  |  |  |  |  |  |
|  |   | RDS  | STEL Short term exposure limit  |  |  |  |  |  |
| 100 t  | logalation. E1  |  | TWA Time weighted average   |  |  |  |  |  |
| 200 t  |   |  | Information Source and References   |  |  |  |  |  |
| Other regulations<br>Registration Number: MAPP 13912   |   |  | This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.   |  |  |  |  |  |
| 15.2 Chemical Safety Assessment For proper and safe use of this product, please refer to the approval conditions laid down on the product label.   |   | e refer to the approval conditions laid down   | DOW AGROSCIENCES LIMITED urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated   |  |  |  |  |  |

# SAFETY PRECAUTIONS

## Operator protection:

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS). SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection

DO NOT BREATHE SPRAY.

WHEN USING DO NOT EAT. DRINK OR SMOKE

WASH HANDS AND EXPOSED SKIN before eating and drinking or smoking and after work

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

## **Environmental protection:**

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from vards and roads

## Storage and disposal:

KEEP OUT OF REACH OF CHILDREN

KEEP AWAY FROM FOOD. DRINK AND ANIMAL FEEDING STUFFS.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place,

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

# PROFESSIONAL USE ONLY

SHAKE WELL BEFORE USE. PROTECT FROM FROST.

Pack size: 2.0 Litres C

This label is compliant with the CPA Voluntary Initiative Guidance (UK only).



# raxvs



Product Registration Number: MAPP 13912/PCS No. 03510 An emulsifiable concentrate containing 144 g/litre (13.85% w/w) fluroxypyr-meptyl (100 g/litre acid equivalent), 80 g/litre (7.69% w/w) clopyralid and 2.5 g/litre (0.24% w/w) florasulam.

A post-emergence herbicide for use on MANAGED AMENITY TURF, including lawns, and AMENITY GRASSLAND for the control of DAISY, DANDELION, CLOVER, BUTTERCUP, RIBWORT PLANTAIN and other broad-leaved weeds.





CAUSES SERIOUS EYE IRRITATION. HARMFUL IF INHALED

VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

Wear protective gloves/clothing/eye/face protection.
IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove to fresh air and keep at rest in a position

comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Do NOT induce vomiting.

Dispose of contents/container to a licensed waste disposal contractor or collection site except for empty clean triple rinsed containers which can be disposed of as non-hazardous waste.

TO AVOID RISKS TO HUMAN HEALTH AND THE ENVIRONMENT. COMPLY WITH THE INSTRUCTIONS FOR USE.

MAPP 13912/PCS No. 03510

# IMPORTANT INFORMATION

FOR USE ONLY AS AN HORTICULTURAL HERBICIDE

Situation

Maximum Individual Dose Maximum Number of Annlications

Managed amenity turf. lawn, amenity grassland 2.0 litres product per hectare

One per year

Read the label before use. Using this product in a manner that is inconsistent with the label may be an offence. Follow the Code of Practice for Using Plant Protection Products

# READ DIRECTIONS FOR USE ON ATTACHED LEAFLET.

Manufactured ad Registered by:

# Dow AgroSciences Limited

CPC2 Capital Park, Fulbourn, Cambridge, CB21 5XE.

Telephone: +44(0)1462 457272

Fax: +44(0)1462 426605 24 Hour Emergency

Telephone Number: +44 (0) 1553 761 251

Distributed by:

### **Everris Limited**

Epsilon House, West Road,

Inswich, IP3 9FJ

Telephone: +44 (0) 844 80904470 +44 (0) 1473 237 128

Trademark of the Dow Chemical Company ("Dow") or an affiliated company of Dow

TRIPLE RINSE CONTAINER. PUNCTURE AND INVERT TO DRY AT TIME OF USE

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work (UK only).