

This SDS adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

-- SAFETY DATA SHEET --

Ref. 00000604/N/GB

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AGRICULTURAL PRODUCTS DEPARTMENT

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

Product code: B11639323

Product name: DP 945* MAPP 11447

Recommended use Agricultural herbicide

Supplier: Du Pont (U.K.) Limited
Wedgwood Way
Stevenage, Herts. SG1 4QN / Great Britain
Tel: 01438 734000

Emergency telephone number:
(02871) 861.313

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation: Aryloxycolinamide and sulfonyleurea based herbicide

Synonyms:

Hazardous components	Weight %	CAS-No
Flupyr-sulfuron methyl	16.7 (167 g/kg)	144740-54-5
Picolinafen	50.0 (500 g/kg)	137641-5-5

Classification:

Flupyr-sulfuron methyl; N ; R50/53
Picolinafen; N; R50

3. HAZARDS IDENTIFICATION

Most important hazards: No hazards deemed to be of major importance

Specific hazards: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Picolinafen formulation contains clay, which may contain more than 0.1% crystalline silica.

4. FIRST AID MEASURES

Inhalation: Move to fresh air. Oxygen or artificial respiration if needed. Call a physician.

Skin contact: Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

Ingestion: Call a physician or Poison Control Centre immediately. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Notes to physician: For specialist advice physicians should contact the National Poisons Information Service, (24-hr), Tel: 0870-600-6266.

* DuPont's registered trademark

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: water spray, foam, dry chemical, carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons: high volume water jet (contamination risk)

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Specific methods: (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with spray water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: wear personal protective equipment

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Clean up promptly by scoop or vacuum. If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up. Use approved industrial vacuum cleaner for removal. Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling

Technical measures/Precautions: Provide appropriate exhaust ventilation at places where dust is formed.

Safe handling advice: Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust or spray mist. wear personal protective equipment. Keep away from heat and sources of ignition.

Storage

Technical measures/Storage conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures below 85 °C. Store in a place accessible by authorized persons only.

Incompatible products: oxidizing agents

Packaging material: No materials to be specially mentioned.

Further Information: Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection: respirator with combination filter for vapour/particulate. respirator with A2B2P3 filter

Hand protection: protective gloves

Eye protection: safety glasses

Hygiene measures: Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Do not breathe dust or spray mist. For environmental protection remove and wash all contaminated protective equipment before re-use. Dispose of rinse water in accordance with local and national regulations.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: solid (dry flowable granules)
Colour: white to tan and brown
Odour: musty

pH: (20 °C) (10 g/l H2O)	no data available
Flash point:	Not applicable
Flammability (solid, gas)	The product is not flammable.
Explosive properties:	not explosive
Bulk density:	no data available
Solubility	
Water solubility:	dispersible

10. STABILITY AND REACTIVITY

Stability: No decomposition if stored and applied as directed.

Conditions to avoid: Avoid dust formation in confined areas.

Hazardous decomposition products: carbon oxides, nitrogen oxides, Hydrogen fluoride, organic fluorides
.

Further information: Keep at temperatures below 85 °C.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD50/oral/rat = > 2000 mg/kg
> 5000 mg/kg (Picolinafen)
LD50/dermal/rabbit = > 4000 mg/kg (Picolinafen)
LC50/inhalation/4h/rat = > 3.83 mg/l (Picolinafen)

Local effects: Not restricted.

Further information: Picolinafen formulation contains clay, which may contain more than 0.1% crystalline silica. Overexposure to airborne quartz can cause silicosis., a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lung, and repeated non-specific chest illnesses.

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Ecotoxicity effects:

12. ECOLOGICAL INFORMATION

Picolinafen formulated product

Toxicity to fish and other aquatic fauna:
LC50/96h/rainbow trout = > 0.37 mg/l
EC50/48h/daphnia = > 0.82 mg/l

FLUPYRSULFURON* METHYL Technical

Toxicity to fish and other aquatic fauna:
LC50/96h/rainbow trout = 470 mg/l
EC50/48h/daphnia = 721 mg/l

Toxicity to birds:

LC50/8 days/mallard duck = > 5620 mg/kg
LC50/8 days/bobwhite quail = > 5620 mg/kg

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: In accordance with local and national regulations. Must be incinerated in a suitable incineration plant authorised under the Environmental Protection Act 1990. Do not allow material to contaminate ground water system. Do not contaminate surface water.

Contaminated packaging: Do not re-use empty containers Do not contaminate ponds, waterways or ditches with chemical or used container.

14. TRANSPORT INFORMATION

UN-No: 3077

ADR/RID

Class: 9 Code: M7 TREM-CARD: 90GM7-III-A
Packing group: III HI-No: 90 SI-No: 3077
Hazard labels: 9
Proper shipping name: UN 3077 Environmentally hazardous substance, solid, n.o.s. (Picolinafen, Flupyr-sulfuron methyl), 9, III

IMO

Class: 9 Packing group: III
Hazard labels: 9, MARINE POLLUTANT mark EmS: -
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Picolinafen, Flupyr-sulfuron methyl) Class 9, UN3077, PGIII, Marine pollutant.

ICAO

Not regulated. Possible optional classification as per IATA "Special Provision A97", described as

:
Class: 9 Subrisks: -
Hazard labels: 9 Packing group: III
Packing instruction (passenger aircraft): 911 kg / No limit
Packing instruction (cargo aircraft): 911 kg / No limit
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Picolinafen, Flupyr-sulfuron methyl), Class 9, UN3077, PGIII

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15. REGULATORY INFORMATION

According to Regulation 5 of the CHIPS Regs 1994, the product does not need to be labelled.
S-phrase(s)
S2 - Keep out of reach of children.
S13 - Keep away from food, drink and animal feeding stuffs.
S20/21 - When using, do not eat, drink or smoke.
Wash concentrate from skin or eyes immediately.
Do not breathe dust or spray mist.
Wash hands and exposed skin before meals and after work.
Extremely dangerous to fish and other aquatic life.
Do not contaminate ponds, waterways or ditches with chemical or used container.
S3/9/49 - Keep only in the original container in a cool, well-ventilated place.
Empty container completely and dispose of safely.
S37 - Wear suitable gloves.
S38 - In case of insufficient ventilation, wear suitable respiratory equipment.

16. OTHER INFORMATION

Text of R-phrases mentioned in section 2.
R50 - Very toxic to aquatic organisms.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.