

**DEBUT®**

Version 2.1

Revision Date 24.06.2004

Ref. 130000000832

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

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**Product information**

Product name : DEBUT®

Synonyms : B10048183

Use of the Substance/Preparation : herbicide

Company : Du Pont (U.K.) Limited
Wedgwood Way
SG1 4QN Stevenage

Telephone : +4401438734450

Telefax :

Emergency telephone number : +44-(0)2871-861.313

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EC-No.	Classification	Concentration [%]
Triflurosulfuron methyl	126535-15-7		N; R50/53	50

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

3. HAZARDS IDENTIFICATION

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

4. FIRST AID MEASURES

General advice : Never give anything by mouth to an unconscious person. If breathing is irregular or stopped, administer artificial respiration. For specialist advice physicians should contact the National Poisons Information Service, (24-hr), Tel: 0870-600-6266.

Inhalation : Move to fresh air. Consult a physician.

Skin contact : Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

Ingestion : Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Consult a physician.

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5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : water spray, dry chemical, foam, carbon dioxide (CO₂),
- Extinguishing media which must not be used for safety reasons : high volume water jet, (contamination risk),
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : (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. Do not allow material to contaminate ground water system.
- Methods for cleaning up : Clean up promptly by scoop or vacuum. Use approved industrial vacuum cleaner for removal. Shovel into suitable container for disposal. If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up.

7. HANDLING AND STORAGE**Handling**

- Advice on safe handling : Provide appropriate exhaust ventilation at places where dust is formed. Wear personal protective equipment.
- Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

Storage

- Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep away from food, drink and animal feedingstuffs. Keep out of reach of children.
- Advice on common storage : No materials to be specially mentioned.
- Other data : Stable under recommended storage conditions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Engineering measures

Ensure adequate ventilation.

Personal protective equipment

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter. Half mask with a particle filter P2 (EN 143).
- Hand protection : Material: nitrile rubber
Glove thickness: 0,4 - 0,7 mm
Wearing time: 480 min
Do not wear cotton or leather gloves., The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : safety glasses with side-shields
- Hygiene measures : Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use.
- Protective measures : All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : solid, dry flowable water dispersible granules,
- Colour : brown,
- Odour : none,
- pH : 8,3 at 10 g/l (20 °C)
- Flash point : not applicable
- Explosive properties : Not explosive
- Bulk density : 600 kg/m³
- Water solubility : , dispersible

10. STABILITY AND REACTIVITY

- Hazardous decomposition products : carbon dioxide (CO₂), nitrogen oxides (NO_x), hydrogen fluoride, Sulphur oxides,
- Hazardous reactions : Dust may form explosive mixture in air. No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

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Acute oral toxicity	:	LD50/rat : > 5 000 mg/kg
Acute inhalation toxicity	:	LC50/4 h/rat : > 2 mg/l
Acute dermal toxicity	:	LD50/rat : > 2 000 mg/kg
Skin irritation	:	No skin irritation
Eye irritation	:	No eye irritation
Sensitization	:	Did not cause sensitization on laboratory animals.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish	:	LC50/96 h/Rainbow trout: 150 mg/l
Toxicity to algae	:	EC50/72 h/selenastrum capricornutum: 0,43 mg/l
Toxicity to algae	:	
• Triflusulfuron methyl	:	EC50/72 h/selenastrum capricornutum: 0,425 mg/l
Aquatic toxicity	:	EC50/48 h/Daphnia: > 1 200 mg/l

13. DISPOSAL CONSIDERATIONS

Product	:	In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Dispose of rinse water as waste water. Do not contaminate ponds, waterways or ditches with chemical or used container.
Contaminated packaging	:	Do not re-use empty containers.

14. TRANSPORT INFORMATION**ADR**

Class:	9
Packaging group:	III
Classification Code:	M7
HI No.:	90
UN-No:	3077
Labelling No.:	9
Proper shipping name:	Environmentally hazardous substance, solid, n.o.s. (contains Triflusulfuron methyl)

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Class:	9
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Packaging group: III
 UN-No: 3077
 Labelling No.: 9MI
 Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (contains Triflusulfuron methyl)

IMDG

Class: 9
 Packaging group: III
 UN-No: 3077
 Labelling No.: 9
 Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (contains Triflusulfuron methyl)

15. REGULATORY INFORMATION**Labelling according to EEC Directive**

Symbol(s) : N Dangerous for the environment

Hazardous components: Triflusulfuron methyl

R-phrase(s) : R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) : S35 This material and its container must be disposed of in a safe way.
 S57 Use appropriate containment to avoid environmental contamination.

Exceptional labelling of special preparations : To avoid risks to man and the environment, comply with the instructions for use.

Further information : The product is classified and labelled in accordance with Directive 1999/45/EC.

16. OTHER INFORMATION**Text of R phrases mentioned in Section 2**

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.



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