

**LEXUS® 50 DF**

Version 2.1

Revision Date 24.06.2004

Ref. 13000000599

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 : LEXUS® 50 DF

Synonyms : B10181778

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 [%]
Flupyrulfuron	144740-54-5		N; R50 -R53	50
Octylphenoxy polyethoxy ethanol	9036-19-5	Polymer	Xn; R22 Xi; R41 R52/53	3

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

Inhalation : Move to fresh air.

Skin contact : Wash off immediately with soap and plenty of water.

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. 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, foam, dry chemical, carbon dioxide (CO<sub>2</sub>),
- 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) Cool containers / tanks with spray water. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Wear personal protective equipment.
- Environmental precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
- Methods for cleaning up : Clean up promptly by scoop or vacuum. Use approved industrial vacuum cleaner for removal. If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up. Shovel into suitable container for disposal.

**7. HANDLING AND STORAGE****Handling**

- Advice on safe handling : Provide appropriate exhaust ventilation at places where dust is formed.
- 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 out of the reach of children.
- Advice on common storage : No materials to be specially mentioned.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Type	Control parameters	Update	Basis
Talc	14807-96-6	TWA TWA (8 & 12 hr)	1 mg/m <sup>3</sup> 0,5 mg/m <sup>3</sup>	2002	EH40 OES DUPONT
Sucrose	57-50-1	TWA STEL	10 mg/m <sup>3</sup> 20 mg/m <sup>3</sup>	2002 2002	DUPONT EH40 OES EH40 OES

**Engineering measures**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

Respiratory protection : Half mask with a particle filter FFP2/FFP3 (EN149)

Hand protection : Material: butyl-rubber  
Glove thickness: 0,4 - 0,7 mm  
Wearing time: > 480 min  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection : safety glasses

Skin and body protection : long sleeved clothing

Hygiene measures : Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feedingstuffs.

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,

Colour : white, tan,

Odour : none,

pH : 7 - 9 at 10 g/l ( 20 °C), Method: CIPAC MT 75

Flash point : not applicable

Bulk density : 720 - 820 kg/m<sup>3</sup>

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Water solubility : , dispersible

**10. STABILITY AND REACTIVITY**

Hazardous decomposition products : hydrogen fluoride, Carbon oxides, nitrogen oxides (NOx),

Hazardous reactions : Risk of dust explosion. No decomposition if stored and applied as directed.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity : LD50/rat : &gt; 5 000 mg/kg

Acute inhalation toxicity : no data available

Acute dermal toxicity : LD50/rat : &gt; 2 000 mg/kg

Skin irritation : No skin irritation

Eye irritation : No eye irritation

Sensitization : Animal test did not cause sensitization by skin contact.

**12. ECOLOGICAL INFORMATION****Elimination information (persistence and degradability)**

Biodegradability : According to the results of tests of biodegradability this product is not readily biodegradable.

**Ecotoxicity effects**

Toxicity to fish : LC50/96 h/Rainbow trout: 5,1 mg/l

Toxicity to algae : EC50/120 h/Algae: 0,036 mg/l

Aquatic toxicity : EC50/48 h/Daphnia: 48 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. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Do not re-use empty containers.

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**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 Flupyrsulfuron methyl)

**IATA\_C**

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

**IMDG**

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

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

Symbol(s) : N Dangerous for the environment

Hazardous components: Flupyrsulfuron

R-phrase(s) : 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 reach of children.  
 S13 Keep away from food, drink and animal feedingstuffs.  
 S20/21 When using, do not eat, drink or smoke.  
 S46 If swallowed, seek medical advice immediately and show this container or label.  
 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.

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

R22	Harmful if swallowed.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	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.