

Linuron DF®

Version 1.0

Revision Date 28.05.2007 Ref. Linuron DF

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

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

Product information

Product name : Linuron DF®

Use of the : herbicide

Substance/Preparation

Company : Du Pont (Australia) Limited

168 Walker Street

North Sydney NSW 2060

Telephone : (02) 9923 6111 Telefax : (02) 9923 6011

Emergency telephone number: (02) 9963 1301 (Transport Emergency)

(24 hr Medical Emergency Hotline: 1800 674 415)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	EC-No.	Classification	Concentration [%]
Linuron	330-55-2	206-356-5	Repr.Cat.2; R61 Repr.Cat.3; R62 Carc.Cat.3; R40 Xn; R22 -R48/22 N; R50 -R53	50
Alkylnaphthalene sulphonic acid, formaldehyde and lignosulfonic acid condensate, sodium salt		Polymer	Xi; R36/38	8
Sodium alkylnaphthalenesulfonate		Polymer	Xi; R36	1,4

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

3. HAZARDS IDENTIFICATION

May cause harm to the unborn child.

Also harmful if swallowed.

Also harmful: danger of serious damage to health by prolonged exposure if swallowed.

Limited evidence of a carcinogenic effect.

Possible risk of impaired fertility.

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.

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

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

clothing before reuse.



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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. Induce vomiting, but only if victim is fully

conscious. Call a physician or Poison Control Centre immediately.

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

: Wear self-contained breathing apparatus and protective suit.

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 water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear personal protective equipment.

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

to contaminate ground water system.

Clean up promptly by scoop or vacuum. Use approved industrial vacuum Methods for cleaning up

cleaner for removal. 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. 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 feeding stuffs. Keep out of reach of children.

: No materials to be especially mentioned. Advice on common storage

Other data Stable under recommended storage conditions.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Ensure adequate ventilation, especially in confined areas.

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.

Hand protection : Material: nitrile rubber

Glove thickness: 0,4 - 0,7 mm

Wearing time: 480 min

Do not wear cotton or leather gloves., Take note of the information given by the

producer concerning permeability and break through times, and of special

workplace conditions (mechanical strain, duration of contact).

Eye protection : safety glasses

Skin and body protection : lightweight protective clothing

Hygiene measures : Wash hands before breaks and immediately after handling the product. When

using, do not eat, drink or smoke.

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, granular,

Colour : grey,

Odour : slight,

Flash point : not applicable

Bulk density : 608 kg/m3

Water solubility : dispersible

10. STABILITY AND REACTIVITY

Hazardous decomposition

products

: Carbon oxides, nitrogen oxides (NOx)

Hazardous reactions : Dust may form explosive mixture in air.

SAFETY DATA SHEET according to EC directive 2001/58/EC



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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50/rat male: 4 833 mg/kg

LD50/rat female: 4 060 mg/kg

Acute inhalation toxicity : no data available

Acute dermal toxicity : LD50/rabbit : > 2 000 mg/kg

Skin irritation : No skin irritation

Eye irritation : No eye irritation

Sensitization : Did not cause sensitization on laboratory animals.

Carcinogenicity

assessment

: Carcinogenic Category 3

Toxicity to reproduction

assessment

: Toxic to Reproduction Category 2 Toxic to Reproduction Category 3

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 3,3 mg/l

active ingredient

LC50/96 h/Bluegill sunfish: 9,6 mg/l

active ingredient

Toxicity to algae : EC50/72 h/Algae: 0,028 mg/l

active ingredient

Aquatic toxicity : EC50/48 h/Daphnia: 0,12 mg/l

active ingredient

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 water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains

from farmyards and roads).

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. (Linuron)

IATA_C

Class: 9
Packaging group: III
UN-No: 3077
Labelling No.: 9MI

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Linuron)

IMDG

Class: 9
Packaging group: III
UN-No: 3077
Labelling No.: 9

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Linuron)

Marine pollutant: Marine pollutant.

15. REGULATORY INFORMATION

Labelling

Symbol(s) : T Toxic

N Dangerous for the environment

Hazardous components: Linuron

R-phrase(s) : R61 May cause harm to the unborn child.

R22 Also harmful if swallowed.

R48/22 Also harmful: danger of serious damage to health by

prolonged exposure if swallowed.

R40 Limited evidence of a carcinogenic effect.

R62 Possible risk of impaired fertility.

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 feeding stuffs.

S20/21 When using do not eat, drink or smoke.

S22 Do not breathe dust.

S36/37 Wear suitable protective clothing and gloves.

S46 If swallowed, seek medical advice immediately and show this

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container or label.

S53 Avoid exposure - obtain special instructions before use.

S35 This material and its container must be disposed of in a safe

way.

S57 Use appropriate container to avoid environmental

contamination.

Exceptional labelling of special preparations

: To avoid risks to man and the environment, comply with the instructions for use.

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2

R22 Harmful if swallowed. R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R40 Limited evidence of a carcinogenic effect.

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R50 Very toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

R61 May cause harm to the unborn child. R62 Possible risk of impaired fertility.

National regulatory information SUSDP : Schedule 5

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.