

SAFETY DATA SHEET



DuPont™ Londax® DF® herbicide

Version 2.0

Revision Date 14.02.2010

Ref. 130000000127

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

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

Product information

Trade name : DuPont™ Londax® DF® herbicide
Use of the : Herbicide
Substance/Mixture
Company : Du Pont (Australia) Ltd
7 Eden Park Drive
Macquarie Park NSW 2113
Australia

Telephone : (02) 9923 6111
Telefax : (02) 9923 6011
Emergency telephone : (02) 9923 6275 (Transport Emergency)
(24 hr Emergency Medical Information: 1800 674 415)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : B10048003

Components

Chemical Name	CAS-No.	Concentration
Bensulfuron methyl	83055-99-6	60 %
Inert Ingredients		40 %

3. HAZARDS IDENTIFICATION

Hazardous classification

Not classified as dangerous goods according to the ADG Code.
Not regulated as a hazardous material by IATA.
Optional classification as per IATA Special Provision A97.
Not classified as hazardous according to criteria of NOHSC.

Risks

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

Safety data

Keep out of the reach of children.
Keep away from food, drink and animal feeding stuffs.
When using do not eat, drink or smoke.
This material and its container must be disposed of in a safe way.
Use appropriate container to avoid environmental contamination.
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.

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4. FIRST AID MEASURES

- General advice : If poisoning occurs, contact a doctor or Poisons Information Centre. In Australia 13 11 26.
- Inhalation : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Skin contact : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
- Eye contact : Hold eye 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 eye. Call a poison control centre or doctor for treatment advice.
- Ingestion : Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control centre. Never give anything by mouth to an unconscious person. Call a poison control centre or doctor for treatment advice.

Notes to physician

- Treatment : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)
- Extinguishing media which shall 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
Wear full protective equipment
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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 : Review sections 5 and 7 before proceeding with clean-up. Use personal protective equipment.

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- Environmental precautions : Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.
- Prevent material from entering sewers, waterways, or low areas
- Methods for cleaning up : Sweep up and shovel into suitable containers for disposal

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.
- Advice on protection against fire and explosion : Under severe dusting conditions, this material may form explosive mixtures in air.

Storage

- Requirements for storage areas and containers : Store product in original container only, away from other pesticides, fertilizer, food or feed. Store in a well-ventilated area away from heat and sunlight. Keep out of the reach of children. Keep locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

No information available

Engineering measures

Use only with adequate ventilation

Personal protective equipment

- Respiratory protection : None specified
- Hand protection : None specified
- Eye protection : Goggles
- Skin and body protection : None specified
- Hygiene measures : Avoid contact with skin, eyes and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash all protective clothing after use.
- Protective measures : Do not breathe dust

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Solid , granular
Colour	: Light tan
Odour	: Mild, sweet
pH	: 6.0 - 6.5 (1% solution in water)
Autoignition temperature	: 400 °C
Explosive properties	: Not explosive
Bulk density	: 673 kg/m ³ loose
Water solubility	: Dispersible

10. STABILITY AND REACTIVITY

Materials to avoid	: None reasonably foreseeable
Hazardous decomposition products	: No information available
Hazardous reactions	: Stable at normal temperatures and storage conditions

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50/Rat : > 5,000 mg/kg
Acute inhalation toxicity	: LC50/4 h/Rat : > 7.5 mg/l Active ingredient
Acute dermal toxicity	: LD50/Rabbit : > 2,000 mg/kg
Skin irritation	: Rabbit Result: No skin irritation
Eye irritation	: Rabbit Result: No eye irritation
Sensitisation	: Guinea pig Classification: Did not cause sensitisation on laboratory animals.

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- Repeated dose toxicity : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.
Active ingredient
- Oral - feed, Multiple species
Liver effects
- Oral - feed, Rat
Exposure time: 90 days
Altered haematology
- Mutagenicity assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Did not cause genetic damage in animals
Active ingredient
- Carcinogenicity assessment : Animal testing did not show any carcinogenic effects
Active ingredient
- Toxicity to reproduction assessment : Animal testing showed no reproductive toxicity
Active ingredient
- Assessment teratogenicity : Animal testing showed effects on embryo-foetal development at levels equal to or above those causing maternal toxicity
Active ingredient

12. ECOLOGICAL INFORMATION
Ecotoxicity effects

- Toxicity to fish : LC50/96 h/*Oncorhynchus mykiss* (Rainbow trout): > 66 mg/l
Active ingredient
- Toxicity to algae : EbC50/72 h/*Pseudokirchneriella subcapitata* (Green algae): 0.0214 mg/l
Active ingredient
- Aquatic toxicity : EC50/48 h/*Daphnia* spp.: > 130 mg/l
Active ingredient

13. DISPOSAL CONSIDERATIONS

- Product : Do not contaminate ponds, waterways or ditches with chemical or used container
- Contaminated packaging : Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If not recycling, break, crush, or puncture, and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. If recycling is not practicable, dispose of in compliance with local regulations.

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14. TRANSPORT INFORMATION

IMDG

UN-Number : 3077
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.
(Bensulfuron methyl)
Class : 9
Packing group : III
Labelling No. : 9
Marine pollutant : Yes (Bensulfuron methyl)

Further information : Not classified as dangerous goods according to the ADG Code.
Not regulated as a hazardous material by IATA.
Optional classification as per IATA Special Provision A97.

15. REGULATORY INFORMATION

Labelling

Symbol(s) : N Dangerous for the environment
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 the reach of children.
S13 Keep away from food, drink and animal stock feed.
S20/21 When using do not eat, drink or smoke.
S35 This material and its container must be disposed of in a safe way.
S57 Use appropriate container to avoid environmental contamination.
SP 1 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.

Further information : Not classified as hazardous according to criteria of NOHSC.

National regulatory information

SUSDP : No poison schedule number allocated
To avoid risks to man and the environment, comply with the instructions for use.

16. OTHER INFORMATION

Sources of key data used to compile the Safety Data Sheet:

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
5. Australian Code for the Transport of Dangerous Goods by Road & Rail No. 7 [National Transport Commission]
6. Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP), No. 19 [NDPSC: 2004]
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

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Department:

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Further information:

Take notice of the directions of use on the label.

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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 above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.