

SAFETY DATA SHEET



DuPont™ Express® herbicide

Version 2.0

Revision Date 16.12.2009

Ref. 13000000352

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™ Express® 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 : B11553718

Components

Chemical Name	CAS-No.	Concentration
Tribenuron methyl	101200-48-0	75 %
Sodium Methylnaphthalenesulfonate	26264-58-4	1 - 10%
Inert Ingredients		<24%

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.
Classified as hazardous according to criteria of NOHSC.

Risks

May cause sensitization by skin contact.
Very toxic to aquatic organisms.

Safety data

Keep out of the reach of children.
Keep away from food, drink and animal stock feed.
When using do not eat, drink or smoke.
If swallowed, seek medical advice immediately and show this container or label.
This material and its container must be disposed of in a safe way.
Use appropriate container to avoid environmental contamination.

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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 : Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be 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 : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray, Dry chemical, Carbon dioxide (CO₂), Foam
- 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
- Environmental precautions : Prevent material from entering sewers, waterways, or low areas
- Methods for cleaning up : Sweep up and shovel into suitable containers for disposal
- Additional advice : Dispose of in accordance with local regulations

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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. Avoid breathing dust.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition

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.

Storage temperature : < 50 °C

Other data : Stable under recommended storage conditions

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

No information available.

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection : None specified.

Hand protection : Material: Polyvinyl chloride - PVC

Eye protection : Opening the container and preparing spray:
Face-shield, Goggles

Skin and body protection : None specified.

Hygiene measures : Avoid contact with eyes. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Solid , granular
Colour	: Light brown
Odour	: Mild
pH	: 9.0 at 10 g/l (20 °C)
Flash point	: Not applicable
Explosive properties	: Not explosive
Bulk density	: 650 kg/m ³
Water solubility	: Dispersible

10. STABILITY AND REACTIVITY

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 : > 6 mg/l Active ingredient
Acute dermal toxicity	: LD50/Rabbit : > 5,000 mg/kg
Skin irritation	: No skin irritation
Eye irritation	: No eye irritation
Sensitisation	: Guinea pig Result: Causes sensitisation
Repeated dose toxicity	: The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions. Active ingredient Oral Adverse body weight effects, altered blood chemistry
Mutagenicity assessment	: Did not cause genetic damage in cultured bacterial cells. Did not cause genetic damage in cultured mammalian cells. Did not cause genetic damage in animals. Active ingredient

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Carcinogenicity assessment : An increased incidence of tumours was observed in laboratory animals. Target(s): Mammary glands. Active ingredient

Toxicity to reproduction assessment : Animal testing showed no reproductive toxicity. Active ingredient

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC50/96 h/*Oncorhynchus mykiss* (Rainbow trout): > 156 mg/l

Toxicity to algae : EC50/72 h/*Pseudokirchneriella subcapitata* (Green Algae): 0.067 mg/l

Aquatic toxicity : EC50/48 h/*Daphnia* spp.: > 156 mg/l

13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations. The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : Do not re-use empty containers

Triple or preferably pressure rinse containers before disposal. Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling, replace cap and return clean containers to recycler or designated collection point. Empty containers can be landfilled, when in accordance with the local regulations. Puncture container to avoid re-use. 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.

14. TRANSPORT INFORMATION

IMDG

UN-Number : 3077

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

Class : 9

Packaging group : III

Labelling No. : 9

Marine pollutant : Yes (Tribenuron 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.

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15. REGULATORY INFORMATION
Labelling

Symbol(s)	: N	Dangerous for the environment
Hazardous components	: Tribenuron methyl	
R-phrases(s)	: R43 R50	May cause sensitization by skin contact. Very toxic to aquatic organisms.
S-phrases(s)	: S 2 S13 S20/21 S46 S35 S57	Keep out of the reach of children. Keep away from food, drink and animal stock feed. When using do not eat, drink or smoke. If swallowed, seek medical advice immediately and show this container or label. This material and its container must be disposed of in a safe way. Use appropriate container to avoid environmental contamination.
Sensitising components	: May produce an allergic reaction.	
Further information	: Classified as hazardous according to criteria of NOHSC.	

National regulatory information

SUSDP : Schedule 5
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)]

Department:

Du Pont (Australia) Ltd
7 Eden Park Drive
Macquarie Park NSW 2113
Australia

Further information:

® Registered trademark of E.I. du Pont de Nemours and Company
Take notice of the directions of use on the label.

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