

SAFETY DATA SHEET



DuPont™ Express® herbicide

Version 2.1

Revision Date 04.04.2014

Ref. 130000000352

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) Pty 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)
number : (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 %
Other Ingredients		25 %

3. HAZARDS IDENTIFICATION

Hazard classification

Not classified as dangerous goods according to the ADG Code.
Classified as hazardous according to criteria of NOHSC.

Risks

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

Safety data

Keep out of the reach of children.
Keep away from food, drink and animal feedingstuffs.
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.

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.


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- Skin contact : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center 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 center 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. FIREFIGHTING 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 firefighters : 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.
- (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.
- 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.

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.

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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**Control parameters**

No information available.

Engineering measures : Ensure adequate ventilation, especially in confined areas.

Biological occupational exposure limits : No information available.

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 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.

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/m³

Water solubility : dispersible


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10. STABILITY AND REACTIVITY

Hazardous decomposition products : No information available.

Hazardous reactions : Stable at normal temperatures and storage conditions.

11. TOXICOLOGICAL INFORMATION
Acute toxicity

Oral

DuPont™ Express® herbicide : LD50/rat: > 5,000 mg/kg

Inhalation

Tribenuron methyl : LC50/4 h/rat(dust/mist): > 6.0 mg/l

Dermal

DuPont™ Express® herbicide : LD50/rabbit: > 5,000 mg/kg

Skin corrosion/irritation

DuPont™ Express® herbicide : Species: rabbit
Result: No skin irritation

Serious eye damage/eye irritation

DuPont™ Express® herbicide : Species: rabbit
Result: No eye irritation

Respiratory or skin sensitisation

DuPont™ Express® herbicide : Species: guinea pig
Result: Causes sensitisation.

Germ cell mutagenicity

Tribenuron methyl : Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

Tribenuron methyl : Not classifiable as a human carcinogen.
An increased incidence of tumours was observed in laboratory animals.
Target(s):
Mammary glands

Reproductive toxicity

Tribenuron methyl : Reproductive toxicity: No toxicity to reproduction
Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity. Evidence suggests the substance is not a developmental toxin in animals.

Specific Target Organ Toxicity

Specific target organ toxicity - single exposure

Tribenuron methyl : The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity - repeated exposure


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DuPont™ Express® herbicide : Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.

Aspiration hazard

Tribenuron methyl : No aspiration toxicity classification

Other

Tribenuron methyl : Repeated dose toxicity:
The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.
Oral - feed/mouse 90 d
NOAEL: 500 mg/kg
Reduced body weight gain
Oral/rat 28 d
Reduced body weight gain

12. ECOLOGICAL INFORMATION
Ecotoxicity effects

Acute and prolonged toxicity to fish

DuPont™ Express® herbicide : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 156 mg/l

Toxicity to aquatic plants

DuPont™ Express® herbicide : EC50/72 h/Pseudokirchneriella subcapitata: 0.067 mg/l

Acute toxicity to aquatic invertebrates

DuPont™ Express® herbicide : EC50/48 h/Daphnia: > 156 mg/l

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

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.


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14. TRANSPORT INFORMATION
IMDG

UN number : 3077
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 (Tribenuron methyl)
 Class : 9
 Packing group : III
 Marine pollutant : yes (Tribenuron methyl)

IATA

UN number : 3077
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 (Tribenuron methyl)
 Class : 9
 Packing group : III

Matters needing attention : not applicable
 for transportation

Not classified as dangerous goods according to the ADG Code.

15. REGULATORY INFORMATION
Labelling

Symbol(s) : N Dangerous for the environment

Hazardous components : Talc ($Mg_3H_2(SiO_3)_4$)

R-phrase(s) : R43 May cause sensitisation by skin contact.
 R50 Very toxic to aquatic organisms.

S-phrase(s) : S 2 Keep out of the 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 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

SUSMP : Schedule 5
 To avoid risks to man and the environment, comply with the instructions for use. Restricted to
 professional users.

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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 Medicines and Poisons (SUSMP)
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

Department:

Du Pont (Australia) Pty 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.

Significant change from previous version is denoted with a double bar.

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 guide 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.