

SAFETY DATA SHEET



DuPont™ Express® herbicide

Version 2.0

Revision Date 19.02.2016

Document no. 13000000493

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 name : DuPont™ Express® herbicide

Other names : B10044203
DPX-L5300 75WG

Recommended use of the chemical and restriction on use

Recommended use : Herbicide

Manufacturer, importer, supplier

Company : Du Pont (Australia) Pty Ltd
Street address : 7 Eden Park Drive
Macquarie Park NSW 2113
Australia

Telephone : (02) 9923 6111

Telefax : (02) 9923 6011

Emergency telephone number : (02) 9923 6275 (Transport Emergency)
(24 hr Emergency Medical Information: 1800 674 415)

2. HAZARDS IDENTIFICATION

Product hazard classification

Acute aquatic toxicity : Category 1

Chronic aquatic toxicity : Category 1

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

Label content

Pictogram :



Signal word : Warning

Hazardous warnings : Very toxic to aquatic life with long lasting effects.

Precautionary statements : Collect spillage.
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Components

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Chemical name	CAS-No.	Concentration
Tribenuron methyl	101200-48-0	75 %
Other Ingredients		25 %

4. FIRST AID MEASURES

Never give anything by mouth to an unconscious person.

If poisoning occurs, contact a doctor or Poisons Information Centre. In Australia 13 11 26.

- Inhalation** : Move to fresh air. Consult a physician after significant exposure. 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 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** : 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 center. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.
- Most important symptoms/effects, acute and delayed** : No information available.
- Protection of first-aiders** : No information available.
- Notes to physician** : Treat symptomatically.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)
- Unsuitable extinguishing media** : High volume water jet, (contamination risk)
- Specific hazards** : No information available.
- Special protective equipment for firefighters** : In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.
- Specific extinguishing methods** : No information available.

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- 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.
- Hazchem Code** : 2Z

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment.
- Environmental precautions** : Prevent material from entering sewers, waterways, or low areas.
- Methods and materials for containment and cleaning up** : Sweep up and shovel into suitable containers for disposal. Apply this product carefully. Spray drift may cause serious damage to other desirable plants
- Additional advice** : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

Handling

- Technical measures/Precautions** : Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.
- Precautions for safe handling** : Keep away from heat and sources of ignition.

Storage

- Suitable storage conditions** : Keep out of the reach of children. Store in original container. Keep container tightly closed. Do not store with feed, seeds or foodstuffs. Keep locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No information available.

- Engineering measures** : Ensure adequate ventilation.

- Biological occupational exposure limits** : No information available.

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Personal protective equipment

- Respiratory protection : None specified.
- Hand protection : No information available.
- Eye protection : When opening the container, preparing spray and using the prepared spray:
Face-shield, Goggles
- Skin protection : When opening the container, preparing spray and using the prepared spray:
elbow-length PVC gloves

- Hygiene measures** : Avoid contact with eyes. Wash hands before eating, drinking, or smoking. After each day's use wash gloves and contaminated clothing

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance (Physical state, form, colour, etc.)**

- Physical state : solid
- Form : solid, granular
- Colour : light brown

- Odour** : mild sweet

- Odour Threshold** : No information available.

- pH** : 8.0 (10 g/l) (25 °C)

Melting point/freezing point

- Melting point/range : Not available for this mixture.

Initial boiling point and boiling range

No information available.

- Flash point** : Not applicable

- Evaporation rate** : No information available.

- Flammability (solid, gas)** : Does not sustain combustion.

Upper/lower flammability or explosive limits

- Upper explosion limit : No information available.
- Lower explosion limit : 0.365 mg/m³

- Vapour pressure** : No information available.

- Vapour density** : No information available.

Density

- Bulk density : 730 kg/m³

Solubility(ies)

- Water solubility : dispersible


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Partition coefficient: n-octanol/water : No information available.

Auto-ignition temperature
Auto-ignition temperature : 400 °C

Decomposition temperature : No information available.

Viscosity
Viscosity, kinematic : No information available.

Molecular weight : No information available.

10. STABILITY AND REACTIVITY

Reactivity : No information available.

Chemical stability : The product is chemically stable under recommended conditions of storage, use and temperature.
No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use. Polymerization will not occur.

Conditions to avoid : Processing temperature: > 140°C
Decomposes slowly on exposure to water. To avoid thermal decomposition, do not overheat. Under severe dusting conditions, this material may form explosive mixtures in air.

Materials to avoid : None reasonably foreseeable.

Hazardous decomposition products : Carbon dioxide (CO₂), Nitrogen oxides (NO_x)

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: > 2,000 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


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Respiratory or skin sensitisation

DuPont™ Express® herbicide : Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.

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

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): 260 mg/l
LC50/96 h/Lepomis macrochirus (Bluegill sunfish): 340 mg/l

Toxicity to aquatic plants

DuPont™ Express® herbicide : EbC50/72 h/Pseudokirchneriella subcapitata (green algae): 0.06 mg/l

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EC50/336 h/Lemna gibba (duckweed): 0.029 mg/l

Acute toxicity to aquatic invertebrates

DuPont™ Express® herbicide : EC50/48 h/Daphnia magna (Water flea): > 1,000 mg/l

Chronic toxicity to fish

DuPont™ Express® herbicide : NOEC/21 d/Oncorhynchus mykiss (rainbow trout): > 560 mg/l

Chronic toxicity to aquatic Invertebrates

DuPont™ Express® herbicide : NOEC/21 d/Daphnia magna (Water flea): 120 mg/l

Persistence and degradability

DuPont™ Express® herbicide : Not readily biodegradable. Estimation based on data obtained on active ingredient.

Bioaccumulation

DuPont™ Express® herbicide : Does not bioaccumulate. Estimation based on data obtained on active ingredient.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods : Dispose of the product in accordance with label directions. In accordance with local and national regulations. Do not re-use empty containers.

Contaminated packaging : Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. If not recycling, break, crush, or puncture, and bury empty containers in a local authority landfill. DO NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point.

14. TRANSPORT INFORMATION

ADG

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Class : 9
Packing group : III
Hazchem Code : 2Z

IMDG

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

IATA

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

Matters needing attention for transportation : Not dangerous goods under ADG code when being transported in IBCs or other receptacles < 500 kg (Special Provision AU01). Marine Pollutants in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code and IATA special provision A197.

15. REGULATORY INFORMATION

SUSMP: Schedule 5
APVMA Approval number: 46440

16. OTHER INFORMATION

References

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Take notice of the directions of use on the label.

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

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