

# SAFETY DATA SHEET



## DuPont™ Brush-Off® brush controller

Version 2.0

Revision Date 15.12.2009

Ref. 130000023977

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™ Brush-Off® brush controller  
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 : DPX-T6376 (60DF)  
B10838190

#### Components

Chemical Name	CAS-No.	Concentration
Metsulfuron methyl	74223-64-6	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

Use appropriate container to avoid environmental contamination.  
This material and its container must be disposed of as hazardous waste.

#### Specific hazards

Causes eye irritation.  
Avoid contact with skin, eyes and clothing.  
Avoid breathing dust.  
Avoid breathing vapours or mist.

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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 eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If eye irritation persists, consult a specialist.
- 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 : Dry chemical, Foam, Carbon dioxide (CO<sub>2</sub>), Water spray
- Extinguishing media which shall not be used for safety reasons : High volume water jet (contamination risk)
- Specific hazards during fire fighting : Not a fire or explosion hazard.
- Under severe dusting conditions, this material may form explosive mixtures in air.
- 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 : Clean up promptly by scoop or vacuum. Dispose of in an approved container.

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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.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Dust may form explosive mixture in air.

**Storage**

Requirements for storage areas and containers : Store in a cool, dry place. Store product in original container only in a location inaccessible to children and pets. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Observe label precautions.

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

Chemical Name	Occupational Exposure Limits		Regulation
Dust (Inhalable and Respirable fraction)	TWA	10 mg/m <sup>3</sup> (Inhalable particles)	US. ACGIH Threshold Limit Values (2009)
	TWA	3 mg/m <sup>3</sup> (Respirable particles)	US. ACGIH Threshold Limit Values (2009)

**Engineering measures**

Use only with adequate ventilation.

**Personal protective equipment**

Respiratory protection : None specified

Hand protection : None specified

Eye protection : None specified

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.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	:	Granular
Colour	:	Off-white
Odour	:	None
Relative density	:	1.47 at 25 °C
Bulk density	:	543 kg/m <sup>3</sup> loose

**10. STABILITY AND REACTIVITY**

Conditions to avoid	:	Heat, flames and sparks
Materials to avoid	:	None reasonably foreseeable
Hazardous decomposition products	:	No information available
Hazardous reactions	:	Hazardous polymerisation does not occur. Stable at normal temperatures and storage conditions.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity	:	LD50/Rat : > 5,000 mg/kg Active ingredient
Acute inhalation toxicity	:	LC50/4 h/Rat : > 5.3 mg/l Active ingredient
Acute dermal toxicity	:	LD50/Rabbit : > 2,000 mg/kg Active ingredient
Skin irritation	:	Rabbit Result: No skin irritation Active ingredient
Eye irritation	:	Rabbit Result: No eye irritation Active ingredient
Sensitisation	:	Guinea Pig Classification: Did not cause sensitization on laboratory animals. Active ingredient

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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
- Dermal, Rabbit  
Skin irritation
- Oral, Rat  
Reduced body weight gain, Organ weight changes, Liver
- Mutagenicity assessment : Did not show mutagenic effects in animal experiments. Did not cause genetic damage in cultured bacterial cells. Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others. Active ingredient
- Carcinogenicity assessment : Did not show carcinogenic effects in animal experiments. Active ingredient
- Toxicity to reproduction assessment : Animal testing did not show any effects on fertility. Active ingredient
- Assessment teratogenicity : Animal testing showed no developmental toxicity. Active ingredient

**12. ECOLOGICAL INFORMATION**
**Ecotoxicity effects**

- Toxicity to fish : LC50/96 h/*Oncorhynchus mykiss* (Rainbow trout): > 150 mg/l  
Active ingredient
- LC50/96 h/*Lepomis macrochirus* (Bluegill sunfish): > 150 mg/l  
Active ingredient
- Toxicity to algae : ErC50/72 h/*Pseudokirchneriella subcapitata* (Green algae): 0.857 mg/l  
Active ingredient
- Aquatic toxicity : EC50/48 h/*Daphnia* spp.: > 150 mg/l  
Active ingredient

**13. DISPOSAL CONSIDERATIONS**

- Product : In accordance with local and national regulations. Do not contaminate ponds, waterways or ditches with chemical or used container.

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Contaminated packaging : 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.  
(Metsulfuron methyl)  
Class : 9  
Packaging group : III  
Labelling No. : 9  
Marine pollutant : Yes (Metsulfuron 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) : S57 Use appropriate container to avoid environmental contamination.  
S60 This material and its container must be disposed of as hazardous waste.

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

#### National regulatory information

SUSDP : No poison schedule number allocated

### 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]

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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.

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.