



Du Pont (Australia) Ltd. A.C.N. 000 716 469
168 Walker Street North Sydney, N.S.W. 2060
Telephone (02) 9923 6111 Facsimile (02) 9923 6132
24hr Transport Emergency Number (02) 9963 1301 Medical Emergency 1800 674 415

MATERIAL SAFETY DATA SHEET

® DuPont Registered Trademark
N/R In Product Identification section means Not Regulated as a Dangerous Good and no UN number is allocated.

ISSUED DUPONT 09/03/04

Page 1

PRODUCT: DUPONT BRUSH-OFF® BRUSH CONTROLLER

Not Classified as Hazardous According to Criteria of NOHSC.

PRODUCT IDENTIFICATION

UN No: N/R Poisons: UNSCH (Fed)
Tradenames: Manuf.: ManCode:
Brush-Off® brush controller DuPont

Use:

For the control of certain brush and broadleaf species in native pastures, rights of way and commercial and industrial areas, and for the control of certain broadleaf weeds in grass pastures and pasture renovations.

Ingredients: CAS No: Proportion:
Metsulfuron methyl 74223-64-6 60 %
Inert Ingredients 40 %

Physical Description / Properties

Appearance:

Odour: Odourless
Colour: Off-white
Form: Granular solid

Other Properties:

Bulk Density: 0.68 g/cm³
Chemical family: Sulfonylurea
pH: 4.2
Solubility in water: 2.8 g/L at pH 7.
Explosion Limits: Not flammable, Not explosive.

HEALTH HAZARD INFORMATION

Acute Effects

Eye:

Based on animal data, eye contact with metsulfuron methyl may cause eye irritation with tearing, pain or blurred vision. Not classified as an eye irritant according to the criteria of NOHSC.

Skin:

Based on animal data, repeated dermal contact with metsulfuron methyl may cause skin irritation with itching, burning, redness, swelling or rash. Not a primary skin irritant, or skin sensitiser. Not classified as a skin sensitiser according to the criteria of NOHSC.

Inhaled:

May irritate throat. Not classified as hazardous by inhalation according to the criteria of NOHSC.

Swallowed:

Not likely to be hazardous by ingestion. Not classified as hazardous by ingestion according to the criteria of NOHSC.

Continued on next page...

**PRODUCT: DUPONT BRUSH-OFF® BRUSH CONTROLLER**

HEALTH HAZARD INFORMATION: (Continued)

Chronic Effects

Animal testing indicates that metsulfuron methyl does not have carcinogenic, developmental or reproductive effects. There is a report indicating that metsulfuron methyl produced genetic damage in a mammalian cell culture test, however, other tests with metsulfuron methyl in bacterial and mammalian cell cultures and in animals did not product genetic damage. The weight of evidence suggests that metsulfuron methyl does not cause genetic damage. Long term administration caused body weight loss.

Other Health Effects

No data is available to confidently predict the effects of overexposure to humans, however based on animal studies, overexposure by inhalation, ingestion, or skin or eye contact may initially include eye irritation with discomfort, tearing, or blurring of vision; or irritation of the upper respiratory passages. Repeated dermal exposure may lead to skin irritation with discomfort or rash.

First Aid

Eye:
In cases of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek Medical attention.

Skin:
In case of contact, immediately wash skin with soap and plenty of water. Wash contaminated clothing before reuse.

Inhaled:
Avoid breathing dust. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek Medical attention.

Swallowed:
No specific intervention is indicated, as the compound is not likely to be hazardous by ingestion. However, seek Medical attention if necessary.

Advice to Doctor

No specific requirements. Treat symptomatically.

Toxicity Data

Metsulfuron methyl
Acute Oral LD₅₀ (rat): > 5000 mg/kg
Acute Dermal LD₅₀ (rabbit): > 2000 mg/kg
4 hr inhalation LC₅₀ (rat): > 5.0 mg/L

PRECAUTIONS FOR USE

Exposure Standards:
None established for formulated product.
Metsulfuron methyl:
TWA (NOHSC): 10 mg/m³, dusts not otherwise classified
AEL (DuPont): 10 mg/m³ (8 and 12 hr TWA)

Engineering Controls:
Use only with adequate ventilation.

Personal Protection:
May irritate the eyes. Avoid contact with eyes and skin. **DO NOT** inhale dust or spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Flammability
Not a fire and explosion hazard. May be ignited by heat or open flame.

Continued on next page...

**PRODUCT: DUPONT BRUSH-OFF® BRUSH CONTROLLER**

PRECAUTIONS FOR USE (Continued)

Environment:

Metsulfuron methyl
96 hr LC₅₀ (rainbow trout, bluegill sunfish, Daphnia): > 1000 mg/L
8 day oral LC₅₀ (bobwhite quail): > 5620 mg/kg
8 day oral LC₅₀ (mallard duck): > 2510 mg/kg
EC₅₀ 72hr/algae = 0.66 mg/L
Bioaccumulation: log POW = -1.74 (pH 7)

SAFE HANDLING INFORMATION

Storage and Transport:

Store in the closed, original container in a cool, dry, well ventilated area out of direct sunlight. Keep at temperatures below 140°C. Keep from contact with fertilisers, fungicides and seeds.

Spills and Disposal:

Review FIRE AND EXPLOSION HAZARDS and SAFETY PRECAUTIONS before proceeding with cleanup. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dyke spill. Prevent liquid from entering the sewers, waterways, or low areas. Shovel or sweep up. **DO NOT** flush with water. If spill area is on ground near trees or desirable vegetation, remove the top 50 mm of soil after initial cleanup. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State and local regulations. Triple rinse the container, then puncture and dispose of in a sanitary landfill, or by other approved methods. **DO NOT** burn empty containers or product.

Fire/Explosion Hazard:

Not a fire and explosion hazard. Like most organic powders, or crystals, under severe dusting conditions, this material may form explosive mixtures in air. Evacuate personnel to a safe area. Wear self-contained breathing apparatus and full protective equipment. Suitable extinguishing media: water spray, dry powder, foam, carbon dioxide (CO₂). On small fires, if area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the contamination hazard.

Reactivity Data:

Stable at normal temperatures and storage conditions. Decomposition will not occur. Polymerisation will not occur.

REGULATORY INFORMATION

Package and Labelling: UNSCH (Fed)
Contains: Metsulfuron methyl 60%

Risk Phrases:

R51/53 Toxic to aquatic organisms may cause long term effects in the aquatic environment.

Safety Phrases:

S35 This material and its container must be disposed of in a safe way.
S57 Use appropriate containment to avoid environmental contamination.

SOURCE INFORMATION

Technical Data:

Source MSDS: US002100, revised 19/01/2004
EU000001687/N/NS, revised 16/05/2003

Continued on next page...



PRODUCT: DUPONT BRUSH-OFF® BRUSH CONTROLLER

ADDITIONAL INFORMATION

Contact Points:

For sales, technical, and product related enquiries contact DuPont's North Sydney office on (02) 9923 6111. Outside the Sydney metropolitan area 1800 252 997 is a toll free number to North Sydney Office. To assist communications, ask for the Customer Service, Technical, or Marketing personnel for the product family relative to the inquiry.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.