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MATERIAL SAFETY DATA SHEET

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

ISSUED DUPONT 7/7/03

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PRODUCT: DUPONT OUST® HERBICIDE

Not Classified as Hazardous According to Criteria of WorkSafe Australia

PRODUCT IDENTIFICATION

UN No: N/R Poisons: S5 (Fed)

Tradenames: Oust® herbicide
Manuf.: DuPont
ManCode:

Use:
For the control of certain annual and perennial grasses and broadleaf weeds in commercial and industrial areas; around agricultural buildings and rights of way as per Directions for Use.

Ingredients:	CAS No:	Proportion:
Sulfometuron methyl	74222-97-2	75 %
Inert Ingredients		25 %

Physical Description / Properties

Appearance:
Odour: Odourless
Colour: Off-white
Form: Solid granules, dry flowable

Other Properties:
Bulk density: 0.62 – 0.71 g/cm³
Chemical family: Sulfonylurea

HEALTH HAZARD INFORMATION

Acute Effects

Eye:
Based on animal data, eye contact may cause eye irritation with discomfort, tearing, or blurring of vision.

Skin:
Overexposure by skin contact may initially include skin irritation with discomfort or rash. Not a primary skin irritant; nor a sensitiser.

Inhaled:
Low toxicity by inhalation.

Swallowed:
Low toxicity by ingestion.

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**PRODUCT: DUPONT OUST® HERBICIDE****HEALTH HAZARD INFORMATION (Continued)****Chronic Effects**

Single high oral doses of Oust® produced no clinical signs of toxicity and no lesions were observed during pathological examination of tissue. Repeated oral studies with the active ingredient, sulfometuron methyl, caused decreased body weight gain, liver changes, red blood cell haemolysis, and altered white blood cell differentiation. Long-term exposure caused mild haemolytic anaemia, decreased body weight, alteration of clinical chemical parameters, and changes in the bile duct. Based on data from animal studies ingestion of high doses of sulfometuron methyl may lead to red blood cell destruction. Oust® administered in single high dermal doses caused temporary severe to slight skin irritation and sporadic weight loss. Animal testing indicates that the active ingredient, sulfometuron methyl, does not have carcinogenic effects. In a two-generation rat reproduction study with the active ingredient, sulfometuron methyl, decreased numbers of pups were observed at the 5000 ppm level, a dose that was also maternally toxic. No reproductive effects were observed at 500 ppm. Oust® did not produce developmental toxicity when tested in animals. Oust® did not produce genetic damage in bacterial or mammalian cell cultures.

Other Health Effects**First Aid****Eye:**

In case of contact, immediately flush eyes with plenty of water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek Medical attention.

Skin:

In case of contact, immediately wash skin with soap and plenty of water. Wash contaminated clothing before reuse. If irritation persists seek Medical attention.

Inhaled:

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:

Acute oral LD₅₀ (rat): > 5000 mg/kg

Acute dermal LD₅₀ (rabbit): > 5000 mg/kg

Inhalation LC₅₀ (4 hr rat): > 5.3 mg/L

PRECAUTIONS FOR USE**Exposure Standards:**

None established for formulated product.

Sulfometuron methyl:

AEL (Du Pont): 10 mg/m³ (8 hr and 12 hr TWA) (total dust)

TLV (ACGIH): 5 mg/m³ (8 hr TWA)

Engineering Controls:

Use only with adequate ventilation.

Personal Protection:

Avoid breathing spray mist, vapour or dust. Avoid contact with eyes and skin. Wear protective goggles, rubber gloves, boots and overalls during handling and mixing. Wash face, hands and skin thoroughly with soap and water after use and before eating, drinking or smoking.

Wash all protective clothing after each day's use.

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The information contained herein is offered only as a guide to handling this specific material. It does not relate to use of the material in combination with any other material or in any process. Persons using this information must determine for themselves whether the material is suitable for any particular application.

**PRODUCT: DUPONT OUST® HERBICIDE**

PRECAUTIONS FOR USE (Continued)

Flammability:

Not a fire hazard. Keep away from heat, sparks and flames.

Flammable Limit in Air, % by volume: LEL 0.092 g/L.

Environment:

Sulfometuron methyl

Acute dietary LC₅₀ (mallard duck): > 5000 ppm

Acute dietary LC₅₀ (bobwhite quail): > 5620 ppm

48 hr NOEC (daphnia magna): > 150 mg/L

96 hr LC₅₀ (rainbow trout): >148 mg/L

96 hr LC₅₀ (bluegill sunfish): > 150 mg/L

SAFE HANDLING INFORMATION

Storage and Transport:

Keep container tightly closed. **DO NOT** consume food, drink or tobacco in the areas where they may become contaminated with this material. Store in closed original containers in a cool, well ventilated area out of direct sunlight. **DO NOT** contaminate water, other pesticides, fertilisers, food or feed with this product.

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 sewers, waterways or low areas. Shovel or sweep up. If spill area is on ground used to produce crops or other valuable vegetation, or if area is adjacent to water used for irrigation, remove soil to depth of spill wetting. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State, and local regulations. Remove non-useable solid material and/or contaminated soil, for disposal in an approved landfill. Activated charcoal will absorb Oust but not completely neutralise the product. **DO NOT** flush to surface water or sanitary sewer system. **DO NOT** reuse the container. Triple rinse the container, then puncture and dispose of in a sanitary landfill, or by another approved method. **DO NOT** burn empty containers or product.

Reactivity Data:

Stable at normal temperatures and storage conditions. No incompatibilities reasonably foreseeable. Decomposition will not occur. Polymerisation will not occur.

Fire/Explosion Hazard:

Not a fire or 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). If area is exposed to fire and conditions permit let fire burn itself out. Burning chemicals may produce by-products more toxic than the original materials. Use water spray and control the runoff, as runoff may be a pollution hazard.

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.