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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.

Infosafe No: DUPES

ISSUED DUPONT 1/12/98

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PRODUCT: DUPONT EXPRESS® HERBICIDE

Not Classified as Hazardous According to Criteria of WorkSafe Australia

PRODUCT IDENTIFICATION

UN No: N/R

Poisons: S5 (Fed)

Tradenames:
Express® Herbicide

Manuf.:
DuPont

ManCode:

Use: For the control of certain broadleaf weeds in fallow and pre-crop situations.

Ingredients:
Tribenuron methyl
Inert ingredients

CAS No:
101200-48-0

Proportion:
75 %
25 %

Physical Description / Properties:

Appearance:

Odour: Slightly pungent
Colour: Light brown
Form: Solid granules, dry flowable

Other Physical Data:

Bulk density: 0.62 – 0.71 g/cm³
Solubility in water: Dispersable
Chemical family: Sulfonylurea

HEALTH HAZARD INFORMATION

Acute Effects

Eyes:

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

Skin:

Repeated contact with tribenuron methyl may cause allergic skin rashes.

Inhaled:

Low toxicity.

Swallowed:

Compound is not likely to be hazardous by ingestion.

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

None established for finished product.

Tribenuron methyl: The effects in animals from a single ingestion exposure to tribenuron methyl include severe weight loss and decreased food consumption. Repeated ingestion doses caused body weight loss, increase liver and thyroid/parathyroid weights, altered clinical chemical parameters, but no significant gross or microscopic treatment related effects were noted. Long-term dosing caused body weight loss, altered clinical chemical parameters, and testicular atrophy (considered to be biologically insignificant). Tribenuron methyl produced an increased incidence of mammary tumours in female rats at dose levels also producing other significant effects. Developmental effects occurred in the rat, but only at a dose also toxic to the dam. No reproductive effects were observed in rats. Tribenuron methyl did not produce genetic damage in bacterial or mammalian cell cultures or in animals.

Other Health Effects:

Based on animal studies the following could occur: Prolonged skin contact may cause skin irritation with discomfort and rash. Repeated skin contact may cause allergic skin rashes.

First Aid**Swallowed:**

No specific intervention is indicated as the compound is not likely to be hazardous by ingestion. Contact a doctor if necessary.

Eyes:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a doctor.

Skin:

In case of contact, immediately wash skin with soap and plenty of water. Wash contaminated clothing before re-use.

Inhaled:

No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Contact a doctor if necessary.

Advice to Doctor:

No specific requirements. Treat symptomatically.

Toxicity Data

Oral LD₅₀ (rat): > 5000 mg/kg

Dermal LD₅₀ (rat): > 2000 mg/kg

4 hr inhalation LC₅₀ (rat): > 6.7 mg/L of air

PRECAUTIONS FOR USE**Exposure Standards:**

None established for formulated product.

Tribenuron methyl:

PEL (OSHA): None established.

TLV (ACGIH): None established.

AEL (DuPont): 1 mg/m³ (8 hr TWA).

Engineering Controls:

Use only with adequate ventilation.

Personal Protection:

Avoid contact with eyes, skin and clothing. When preparing spray wear elbow-length PVC gloves and face shield or goggles. After each day's use, wash gloves and face shield or goggles. Wash face and skin thoroughly with soap and water after handling and before eating, drinking or smoking. Do not consume food or tobacco in areas where they may become contaminated with this material.

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PRODUCT: DUPONT EXPRESS® HERBICIDE**PRECAUTIONS IN USE (Continued)****Flammability:**

Like most organic powders or crystals, under severe dusting conditions this material may form explosive mixtures in air.

Environment:**Aquatic Toxicity - Tribenuron methyl**

96 hour LC₅₀ (rainbow trout): > 1000 mg/L

Environmental Toxicity - Tribenuron methyl

Oral LD₅₀ (bobwhite quail): > 2250 mg/kg

Dietary LC₅₀ (bobwhite quail): > 5620 ppm

Dietary LC₅₀ (mallard duck): > 5620 ppm

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.

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 dry flowable from entering sewers, waterways or low areas. 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 and permitted landfill. DO NOT flush to surface water or sanitary sewer system.

Destroy empty containers by crushing or puncturing them. Dispose of the containers at a local authority landfill that does not burn its refuse. If there is no local authority landfill readily available in your area, bury the container at a depth of 500 mm or more at a licensed/approved disposal site. In some States wastes can only be buried at a licensed landfill. DO NOT burn empty containers or product.

Reactivity Data:

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

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.

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.