

SAFETY DATA SHEET

DACTHAL®

Date of Issue: 18th June 2021

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Chlorthal-dimethyl

Recommended use: Herbicide

Supplier: UPL New Zealand Limited
PO Box 51584, Pakuranga
Auckland
Phone 0800 100 325
www.upl-ltd.com/nz

Emergency telephone number: 0800 CHEM CALL (0800 243 622) 24 Hours

2. HAZARDS IDENTIFICATION



Hazard Classification: 6.4A, 6.9B, 9.1B

Required identification Details: **WARNING**
Keep out of reach of Children.
Causes serious eye irritation.
May cause damage to organs through prolonged or repeated exposure.
Toxic to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Chlorthal-dimethyl	1861-32-1	75

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and symptoms

First-aid measures

Inhalation:

Remove victim to fresh air. Apply artificial respiration if necessary.

Ingestion:

Call the National Poison Centre 0800 poison (0800 764 766). Have a person sip a glass of water if able to swallow. Do not induce vomiting

Skin contact:

Take off contaminated clothing. Rinse skin immediately for 15-20 minutes.

Eye contact:

If concentrate is splashed in the eyes, flush with running water for at least 15 minutes. Get medical attention if irritation persists.

Notes to a physician:

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Water spray, fog, dry chemical, Carbon dioxide.

Hazardous thermal (de)composition products:

Hazardous fumes of hydrogen chloride, carbon oxides and unidentified organic compounds when heated excessively or burned.
2Z

HAZCHEM Code:

Protection of fire-fighters:

Wear full protective clothing and self-contained breathing apparatus. Do not breath smoke or gases.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid contact with skin and eyes. Do not inhale spray. Wear long sleeved shirt, long pants, waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

Environmental precautions:

Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

Methods for cleaning up:

In the case of spillage, contain and absorb spilled material with absorbent material such as sand clay or cat litter. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. To decontaminate spill area, tools and equipment, wash with a suitable solution (i.e. organic solvent, detergent, bleach or caustic) and add the solution to the drums of wastes already collected. Label for contents.

Dispose of drummed wastes, including decontamination solution, in accordance with the requirements of Local Authorities.

7. HANDLING AND STORAGE

Handling:

When mixing or applying, avoid contact with skin and eyes. Wear protective clothing, gloves and goggles. Do not eat or drink while using. Wash hands and face before meals and after work. Wash protective clothing after work.

Storage:

Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs.

Packaging materials:

Keep out of reach of children. Keep out of reach of children. Plastic bag inner, cardboard outer.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Exposure Standards: No exposure limit allocated.

Engineering measures

Exposure control measures: Ensure ventilation is adequate, generally natural ventilation is adequate.

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:

Skin and body:

Do not inhale spray mist.

When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length and PVC gloves and goggles.

Elbow-length and PVC gloves.

Hands:

Wear chemical goggles.

Eyes:

General hygiene:

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

After each day's use, wash contaminated clothing and safety equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Colour, Odour.

Fine powder. Grey. Slight aromatic odour.

pH:

7 to 8

Vapour Pressure:

0.21 mPa @25°C

Boiling Point:

>360°C

Flash Point:

Freezing/melting point:

N/A

Solubility:

Disperses.

Specific Gravity or Density:

N/A

Information for flammable material:

N/A

Explosion properties:

Not an explosive.

Oxidation properties:

Not an oxidizer.

Viscosity:

Octanol/water partition coefficient:

Not available.

Other Data:

10. STABILITY AND REACTIVITY

Stability:

Stable under normal conditions. Do not store below 4°C.

Conditions to avoid:

Excessive heat and sparks.

Materials to avoid:

Strong acids and bases will decompose the ester functions of Dacthal.

Hazardous Decomposition Products:

This product may emit hazardous fumes of hydrogen chloride, carbon oxides, and unidentified organic compounds when it is heated excessively or burned. Wear self-contained breathing apparatus when these conditions are present.

Hazardous polymerization:

Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral:

LD₅₀ >10,000 mg/kg (Rat)

Acute toxicity - Dermal:

LD₅₀ >10,000 mg/kg (Rabbit)

Acute toxicity – Inhalation:

LD₅₀: 23 mg/kg, 4 hr (Rat)

Skin irritation: May cause mild skin irritation.

Eye irritation: May cause mild eye irritation.

Sensitization: Not a known sensitizer

Chronic toxicity May show evidence of liver and thyroid gland toxicity with repeated exposure at high doses.

Carcinogenicity: Dacthal is not classified as carcinogenic.

Mutagenicity:

Reproduction toxicity:

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Do not contaminate sewers, drains, creeks or any other waterways with product or empty container. This pesticide is mildly toxic to some fish and aquatic organisms. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply directly adjacent to potable water supplies.

Bees Slightly toxic.

Earthworms None available.

Soil None available.

Bioaccumulative potential: None available.

Birds None available.

13. DISPOSAL CONSIDERATIONS

Methods of disposal: Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, follow the recommendations in NZS 8409.

Empty container precautions: Triple rinse container and add residue to spray tank. Bury in a suitable landfill.

14. TRANSPORT INFORMATION - International transport regulations

UN number: UN3077

Class or Division: 9

Subsidiary Class: NA

Packing Group: III

Marine Pollutant: Yes

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): Classified as Dangerous Goods

15. REGULATORY INFORMATION

ACVM Registered Number: P005898
HSNO Approval Code: HSR000646

16. OTHER INFORMATION

Additional information: **Original Issue Date:** 16 December 2005
Revision Date: 18 June 2021
Replaces: ES405

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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