

COSHH Risk Assessment – Vulcan D5 DP

1. Substance Information

Product Name: Vulcan D5 DP

Type: Insecticidal Dust Powder

Active Ingredients: Permethrin (0.5%), Tetramethrin (0.1%), Piperonyl Butoxide (1.0%)

Formulation: Ready-to-use insecticidal dust for professional pest control use only.

2. Intended Use

Used to control wasps and other crawling or flying insects by dusting directly into nests, entry points, or harbourages. Applied using a hand duster or puffer equipment in domestic, commercial, or agricultural settings.

3. Hazard Identification

- H410: Very toxic to aquatic life with long lasting effects
- H332: Harmful if inhaled
- H315: Causes skin irritation
- H319: Causes serious eye irritation

4. Routes of Exposure

- Inhalation of dust particles
- Skin contact during handling
- Eye contact through airborne dust
- Accidental ingestion

5. Control Measures

- Avoid breathing dust. Apply only in well-ventilated areas.
- Do not eat, drink, or smoke while handling the product.
- Restrict access to treated areas until dust has settled.
- Wash hands and exposed skin thoroughly after use.
- Keep away from watercourses and drains.

6. Personal Protective Equipment (PPE)

- Disposable coveralls (Type 5/6)
- Nitrile gloves
- Safety goggles or face shield
- Respiratory protection: half mask respirator with A2P3 filter

7. First Aid Measures

- Inhalation: Move to fresh air. Seek medical advice if symptoms persist.
- Skin contact: Wash with soap and water. Remove contaminated clothing.
- Eye contact: Rinse cautiously with water for several minutes. Seek medical attention.
- Ingestion: Rinse mouth and seek medical advice immediately.

8. Environmental Precautions

- Prevent entry into waterways, drains, or soil.
- Dispose of product and container according to local waste regulations.
- Use only the minimum quantity required for effective treatment.

9. Storage and Disposal

- Store in original container, tightly closed, in a cool, dry, well-ventilated area.
- Keep away from food, drink, and animal feed.
- Dispose of unused product and empty containers via licensed waste contractor.

10. Emergency Procedures

- In case of spillage: Avoid raising dust. Sweep up and collect in a labelled container for disposal.
- In case of fire: Use dry powder, foam, or CO₂ extinguisher. Avoid water jet.
- Report all incidents to supervisor and complete an incident record.

11. Sign-Off

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