



SAFETY DATA SHEET

Microthiol Disperss[®]

Date of Issue: 21st September 2020

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Sulphur
Recommended use: Fungicide

Supplier: UPL New Zealand Limited
PO Box 51584, Pakuranga
Auckland
Phone 0800 100 325

Emergency telephone number: 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: 9.1D

Required identification Details: **Signal Word: WARNING**
Harmful to the aquatic environment.

If medical advice is needed, have product container or label at hand. Immediately call the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.
Call the POISON CENTER or doctor/physician if you feel unwell.
Rinse mouth.
Do NOT induce vomiting.
Wash contaminated clothing before reuse.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

| Common name | CAS No | % |
|---------------------------------|-----------|----|
| Sulphur | 7704-34-9 | 80 |
| Other non-hazardous ingredients | | 20 |

4. FIRST-AID MEASURES

Description of necessary first aid measures: Rinse mouth. Do NOT induce vomiting. Wash contaminated clothing before reuse. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Effects and symptoms

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| Inhalation: | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| Ingestion: | Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear. |
| Skin contact: | Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use. If irritation persists, seek medical advice. |
| Eye contact: | Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention. |
| Notes to a physician: | Treat according to symptoms. |

5. FIRE-FIGHTING MEASURES

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| Extinguishing media: | Water. Foam. Carbon dioxide. Dry chemical. Use extinguishing media appropriate for surrounding fire. Avoid strong water jets - airborne dusts may form a flammable dust cloud. |
| Hazardous thermal (de)composition products: | If involved in a major fire, could evolve oxides of sulphur or carbon. |
| HAZCHEM Code: | 2W |
| Protection of fire-fighters: | Wear SCBA and chemical-protective clothing. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions: | For appropriate personal protective equipment (PPE), refer Section 8. |
| Environmental precautions: | Contain spill, do not allow material to enter sewers or bodies of water. Keep unprotected persons and animals out of the area. |
| Methods for cleaning up: | Sweep spills and place in waste containers. Wash area with water and absorb with inert material. Dispose of waste safely, according to Local Council regulations. |

7. HANDLING AND STORAGE

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|------------------|---|
| Handling: | <ul style="list-style-type: none">• Keep out of reach of children• Read label before use.• When mixing or applying, avoid contact with skin and eyes.• Avoid generating dusts while handling the product and mixing.• 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.• Avoid release to the environment. |
| Storage: | <ul style="list-style-type: none">• Keep away from heat and protect from sunlight. |

- Store in original container, tightly closed in a locked, dry, well ventilated place away from food or feedstuffs.
- Do not store near oxidisers.

Packaging materials: HDPE Plastic

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Exposure Standards: Not established. The exposure standard for dusts in general is 10 mg/m³.

Engineering measures

Exposure control measures: General room ventilation is expected to be satisfactory for use at room temperature.

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:

If dusts are present, wear a dust mask.

Skin and body:

When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat.

Hands:

Elbow-length and PVC/nitrile gloves

Eyes:

Wear face shield or goggles.

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: Solid granule or powder

Colour: Brown

Odour:

pH: 8 – 11 (1% dilution)

Vapour Pressure:

Boiling Point: 444°C

Melting point: 113°C

Solubility: Dispersible

Specific gravity or density:

Information for flammable material Not flammable.

including:

Flashpoint: 207°C for pure sulphur

Octanol/water partition coefficient: Not available

10. STABILITY AND REACTIVITY

Stability: This product is unlikely to react or decompose under normal storage conditions.

Conditions to avoid: This product should be kept in a cool place, preferably below 30°C. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Materials to avoid: Strong oxidizing agents.

Hazardous Decomposition

Products:

Hazardous polymerization:

This product will not undergo polymerisation reactions.

11. TOXICOLOGICAL INFORMATION

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| Acute toxicity – Oral: LD₅₀ | >2,000 mg/kg (rat) (sulphur) |
| Acute toxicity - Dermal: LD₅₀ | >2,000 mg/kg (rat) (sulphur) |
| Acute toxicity – Inhalation: LC₅₀ | > 1.35 mg/L (rat 4hr) |
| Skin irritation : | May irritate the skin. Avoid formation of dusts. Sulphur dust on (sweaty) skin can become irritating by formation of acids. |
| Eye irritation: | The concentrate may cause irritation of the eyes. May cause some discomfort if contact is prolonged. |
| Sensitization : | |
| Chronic toxicity | Regular exposure may result in chronic bronchitis. |
| Other information: | |

12. ECOLOGICAL INFORMATION

No data available for this product. Values are for a similar product.

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|---------------------------------|---|
| Aquatic | Not toxic to fish LC ₅₀ : >1000 mg/L (48hr, Daphnia magna) EC ₅₀ : 586 mg/l (72hr, algae) |
| Bioaccumulation | |
| Degradability | Loss from soil is principally by microbial degradation |
| Soil | No evidence of soil toxicity |
| Terrestrial vertebrate | No evidence of toxicity towards terrestrial vertebrates |
| Terrestrial invertebrate | Not toxic to bees. |

13. DISPOSAL CONSIDERATIONS

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| Methods of disposal : | Avoid contamination of any waterway with chemical or empty container. |
| Product: | 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: | Triple rinse container and bury in landfill. |

14. TRANSPORT INFORMATION - International transport regulations

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|------------------------------|-----------------------------|
| UN number: | Not a Dangerous Good |
| Class or Division: | |
| Packing Group: | |
| Marine Pollutant: | No |
| Proper shipping name: | Not a Dangerous Good |

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

15. REGULATORY INFORMATION

ACVM Registered Number: P004795
HSNO Approval Code: HSR000816

16. OTHER INFORMATION

Additional information: Original Issue Date: 21 September 2020
Revision Date:
Replaces:

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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