

BASF Australia Ltd

ABN 62 008 437 867

Norwest Business Park,
7 Maitland Place

Baulkham Hills NSW 2153

Telephone: 1 800 635 550

Emergency: 1 800 033 111**Material Safety Data Sheet**

Product Name:	BASF POLYRAM® DF FUNGICIDE SPRAY
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HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

TRADE NAME: BASF POLYRAM DF FUNGICIDE SPRAY**OTHER NAMES:** metiram
zinc ammoniate ethylenebis(dithiocarbamate) – poly(ethylenethiuram disulfide)**USE:** Fungicide Spray**MANUFACTURER'S NAME/ADDRESS**BASF Australia Ltd
Norwest Business Park, 7 Maitland Place
Baulkham Hills NSW 2153**U.N. NUMBER:** Not Applicable**DANGEROUS GOODS CLASS:** Not Applicable**SUBSIDIARY RISK:** Not Applicable**HAZCHEM CODE:** Not Applicable**POISONS SCHEDULE:** 5**PACKAGING GROUP:** Not Applicable**EPG:** Not Applicable**PHYSICAL DESCRIPTION/PROPERTIES****APPEARANCE AND ODOUR:** Light brown water dispersible granules.**BOILING POINT °C:** Not Applicable **BULK DENSITY kg/m³:** 0.55 – 0.70**VAPOUR PRESSURE:** Very low **MELTING POINT:** Not Applicable**VAPOUR DENSITY:** Not Applicable **EVAPORATION RATE:** Not Applicable**SOLUBILITY (WATER):** Dispersible in water **PERCENT VOLATILES:** Not Applicable**FIRE/EXPLOSION HAZARD****FLASH POINT °C :** Non-flammable **AUTOIGNITION °C:** 280**LEL:** Not Applicable **UEL:** Not Applicable**INGREDIENTS**

INGREDIENT	CAS NO.	PROPORTION
Metiram	[9006-42-2]	700 g/kg
Other ingredients	(non hazardous)	300 g/kg

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE EFFECTS

No adverse health effects are expected if the product is handled in accordance with this Material Safety Data Sheet and the product label.

SWALLOWED

The product is of low acute oral toxicity in the rat.

EYE

The material should not be allowed to contact the eyes. When tested, the product did not irritate the mucous membranes (in eyes) of rabbits.

SKIN

The material should not be allowed to come into contact with the skin. When tested, the product did not irritate rabbit skin. May cause sensitization by skin contact.

INHALED

Avoid breathing dust / spray / fumes. May cause irritation to the respiratory system.

CHRONIC EFFECTS

No information available. Avoid all unnecessary contact with the product. Misuse can be harmful to health.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131126 Australia-wide. Follow the advice given. Show this Material Safety Data Sheet to a doctor.

SWALLOWED

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131126 Australia-wide. Do NOT give alcoholic drinks. Give plenty of water to drink.

EYE

Seek immediate medical advice. Immediately rinse eyes thoroughly, including under eyelids, with running water for at least 15 minutes.

SKIN

Seek immediate medical advice. Immediately remove all contaminated clothing and footwear. Wash the skin thoroughly with soap and water.

INHALED

Seek medical advice immediately. Remove from the source of dust / spray / fumes. Remove to open space or fresh air. Keep warm and at rest.

FIRST AID FACILITIES

No special facilities indicated.

ADVICE TO DOCTOR

Decontamination, treat symptomatically. No known specific antidote.

TOXICITY

	(mg / kg)
Acute toxicity LD ₅₀	>5000
Rat dermal	>2000
Rat inhalation LC ₅₀	>2.71 mg/L/4hr

PRECAUTIONS FOR USE

EXPOSURE LIMITS

No exposure standard has been assigned by the National Occupational Health and Safety Commission (Worksafe Australia).

ENGINEERING CONTROLS

Use only in well-ventilated areas.

PERSONAL PROTECTION

Clothing: wear suitable protective clothing. Wear cotton overalls buttoned to the neck and wrist.
Eyes: avoid contact with the eyes. Wear safety goggles.
Hands: avoid contact with the skin. Wear suitable protective gloves. Wear impervious gloves.
Respiratory: do NOT breathe dust / spray / fumes. Respiratory protection is recommended during handling. Wear a close fitting mask.

Do NOT eat, drink or smoke until after washing. Wash thoroughly after handling. Take steps to prevent electro-static discharge.

FLAMMABILITY

Does not have fire promoting properties.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Storage and Transport Corrosivity Hazards: Not applicable.

Handling & Storage Precautions: Store in the cool place away from heat. Store in a dry area and prevent dust cloud generation. Dust may form explosive mixture with air. Keep the container in a well-ventilated place. Store away from strong sunlight. Protect the product from moisture. Keep only in the original container. Take precautionary measures against static discharges. Keep away from food, drink and animal feeding stuffs.

Transport: Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SPILLS AND DISPOSAL

Spillage or Leak Procedures: In case of spillage prevent the material from entering drains or water courses. Sweep up and collect for disposal. Place into suitable containers. Remove with shovel or any other suitable equipment. Collect in a convenient manner to avoid dusty conditions.

Waste Disposal Methods: Follow Avcare guidelines. Incinerate in an approved incinerator, according to government regulations. Bury the material in an approved landfill, determined by the relevant authority.

FIRE/EXPLOSION HAZARD

During a fire, the following decomposition products may be given off: Nitrogen oxides, sulphur dioxide, hydrogen sulphide.

Extinguishing Media: Water fog, fine water spray, foam or dry agent, carbon dioxide.

Special Fire Fighting Procedures: Firefighters should wear full body protective clothing with self contained breathing apparatus. In case of fire, prevent by any means possible spillage from entering drains or water courses.

Reactivity Hazards: No hazards are expected if the material is handled, stored and used according to instructions and government regulations. May form flammable/explosive dust-air mixture. Incompatible with alkalis. Incompatible with acids.

OTHER INFORMATION

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Do NOT contaminate streams, rivers or waterways with this product or the used containers.

DISCLAIMER

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. It should read taking into account how the product is handled in your particular situation and how it is used in conjunction with other products.

CONTACT POINT: BASF Australia Ltd

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SUPERCEDES: None
