

L1042195 ZIMB/04W PPE 4094759



RidomilGold[®]

MZ 68 WG

syngenta.

Before using this product read and understand the entire label.

**TO CAUSE A HAZARD IN THE USE,
STORAGE OR DISPOSAL OF THIS SUBSTANCE
IS AN OFFENCE.**

Shelf-life: Two years from date of manufacture if stored in original container under constant cool conditions.

Date of manufacture: / Batch No:

Please refer to Inkjet print.

Emergency Call Number:

Swiss Toxicological Information Centre
(24 h) +41 44 251 51 51

Manufacturer:

Syngenta Crop Protection AG, Basel, Switzerland

® Registered Trademark of a Syngenta Group Company

Registered by: Syngenta Agro AG

32 Sandringham Drive, Alexandra Park, Harare.

Tel.: 08677005432 / 08677005434

1 kg

Product names marked ® or TM, the ALLIANCE FRAME
the SYNGENTA Logo and the PURPOSE ICON
are Trademarks of a Syngenta Group Company



DESCRIPTION:
BOOKLET 4-16 PG 130x140 MM

SCALE:
1:1

ISSUE NO:
SYN001

ISSUE DATE:
26.09.2013

4029064

PRECAUTIONS

- Handle with care; avoid contact; poisonous by swallowing, inhalation and contact with the skin.
- DANGEROUS TO FISH AND BEES.
- KEEP OUT OF REACH OF CHILDREN.
- KEEP APART FROM FOOD, FOOD STUFFS, seeds and fertilizers.
- Store in original container in a cool, dry place and KEEP UNDER LOCK AND KEY.
- Use only on the crops for which the product is registered.
- Avoid drift onto adjacent crops or soil.
- Decontamination of Sprayer – after use clean the sprayer thoroughly and ensure that all traces of RIDOMIL GOLD MZ 68 WG are removed. Make use of the following method: (a) Drain tank then rinse tank, sprayer boom and hoses with clean water for at least 10 minutes. (b) Fill tank with clean water and add to it 1,0 litre household bleach (5%) or 1,5 litres household bleach (3,5%) per 200 litres of water. Rinse hoses and sprayer boom and leave in the tank for 15 minutes whilst agitating. Drain through the nozzle outlets. (c) Repeat step (b) and thereafter, rinse thoroughly with clean water and dispose of the wash water at a site designated for the disposal of pesticides.
- Empty container disposal – rinse the container 3 times with a volume of water equal to at least 10% of that of the container. Add the rinsate to the contents of the spray tank. Destroy the empty container by perforation and flattening. Place it in a secure disposal area and offer it for recycling. DO NOT use it for any other purpose.

SYMPTOMS OF POISONING

No case of human poisoning is on record.

FIRST AID

If poisoning is suspected, stop work immediately and seek medical advice. In case of contact with skin and eyes, wash immediately with plenty of water. Rinse splashes from eyes with abundant fresh and clean water for at least 10 minutes. If inhaled move to clean air. If swallowed, give a large quantity of medical charcoal in plenty of water. Never give anything by mouth to an unconscious person.
Do not induce vomiting.

NOTE TO PHYSICIAN

No specific antidote is known. Apply symptomatic therapy.

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WARRANTY

The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product. Experience has shown that strains of fungus resistant to Metalaxyl-M may develop, resulting in a reduction in the efficacy of the product and thus in yield losses. Since the occurrence of resistance cannot be foreseen, Syngenta accepts no responsibility for any loss of, or damage to crops resulting from the failure of Ridomil Gold® MZ 68 WG to control resistant strains.

MODE OF ACTION

Ridomil Gold® MZ 68 WG is a mixture of Metalaxyl-M, a systemic fungicide with curative and protective properties and mancozeb, a residual protective fungicide. Metalaxyl-M enters the plant through roots, stems and leaves and is translocated upwards protecting also new growth. It provides control of fungi from within the plant inhibiting fungal growth and reproduction and protects new growth produced after application. Mancozeb is a protective residual fungicide. It provides a protective film over leaf and stem surface and inhibits germination of spores.

TIMING

Ridomil Gold® MZ 68 WG is not recommended after plants have reached maturity as the activity of Metalaxyl-M may be insufficient due to reduced absorption and translocation.

WARNINGS

The preharvest intervals are as follows:

Tomatoes, cucurbits: 3 days

Onions, brassicas: 7 days

Lettuce, spinach: 14 days.

For potatoes and other crops; not pertinent because of the recommended time of application.

DIRECTIONS FOR USE

1. POTATOES: Late blight (*Phytophthora infestans*)

Ridomil Gold® MZ 68 WG should be applied on a «Preventive Programme Basis». The application programme should be a maximum of 2 treatments, at an interval of 10 days during the rainy season, when late blight infestation

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danger is very high. The first application should be made before late blight is present on the crop. Before and after Ridomil Gold® MZ 68 WG application the crop should be treated with contact fungicides at recommended intervals.

PREVENTIVE TREATMENT PROGRAMME

Commence the spray programme on early summer planted crops before late blight warning is given. If Ridomil Gold® MZ 68 WG is applied as a directed band spray before the crop meets across the rows, ensure that the recommended rate is still applied per planted hectare. Change over to a fungicide with a different mode of action when active growth has ceased (between the end of flowering and the onset of senescence), within 7 days of the last application of Ridomil Gold® MZ 68 WG.

Early blight (*Alternaria solani*) may be a problem on potatoes. Although the amount of mancozeb applied at the recommended rate of 2.5 kg/ha will have a good effect on early blight, under moderate disease pressure, Ridomil Gold® MZ 68 WG will not control early blight when applied in a 10 day schedule. When conditions for early blight development are favourable, a contact fungicide should be applied according to local specifications between each Ridomil Gold® MZ 68 WG spray and 5-7 days after the last application of Ridomil Gold® MZ 68 WG.

RECOMMENDATIONS FOR USE

The recommended dosage of Ridomil Gold® MZ 68 WG should be applied in a spray volume of not more than 500 lt. per hectare for ground application. Sufficient water should be used to obtain thorough coverage of the foliage but avoid «run-off». The addition of stickers or wetters is not recommended.

Spray volume	Dosage	Spray Interval
Ground Use no more than 500 lt./ha	2.5 kg/ha	Maximum of 2 treatments at an interval of 10 days during the rainy season when late blight infestation danger is very high. 1st application before late blight is present on crop. Before and after Ridomil Gold® MZ 68 WG applications use local contact fungicides as recommended.
Aerial Use 40 litres of spray mix. Including 2 litres of Orchex per ha	3.0 kg/ha	

AERIAL APPLICATION

Ridomil Gold® MZ 68 WG may be applied aerially provided the final spray deposit is uniform on target and that the recovery corresponds to the recommended dosage rate. To achieve this the following should be met:

- Application rate: 40 litres/ha
- Recovery spray VMD: 200-300 microns
- Optimal flight height: 3 metres
- Track intervals: Pawnee P25 C - 16 metres
Thrush Commander - 20 metres

Mark fields accurately.

- DO NOT spray under hot, dry or windy conditions.
Relative humidity - maximum 50%.
- Maximum wind speed 8 km/h.

2. TOMATOES Late blight (*Phytophthora infestans*)

Ridomil Gold® MZ 68 WG should be applied on a «Preventive programme basis».

RECOMMENDATIONS FOR USE

Apply a maximum of 4 sprays during the period of active growth; the first application when conditions are favourable for late blight development. At the recommended rate of 350 g/100 litres of water, the amount of mancozeb applied with Ridomil Gold® MZ 68 WG corresponds with the normal rate recommended for early blight control. However, if weather conditions are favourable for early blight development a contact fungicide should be applied according to label recommendations between each Ridomil Gold® MZ 68 WG spray. Ridomil Gold® MZ 68 WG is not recommended for use in covered crops e.g. greenhouses and plastic tunnels. In order to ensure good spray coverage high volume sprays to the point of run off should be applied, normally 500-1500 lt. per hectare depending on plant size.

DOSAGE RATES

Dosage per 100 litres water	Spray interval	Volume of water per ha
350 g	Maximum of 4 sprays during period of active growth at 7-10 day intervals. The 7 day interval should be observed under continuous heavy disease pressure. Change over to a fungicide with different mode of action within 5-7 days of last application of Ridomil Gold® MZ 68 WG.	500-1500 lt. depending on plant size.

3. VEGETABLES

- Brassica seedbeds - Downy mildew (*Peronospora parasitica*)
- Cucurbits - Downy mildew (*Pseudoperonospora destructor*)
- Onions - Downy mildew (*Peronospora farinose*)
- Spinach - Downy mildew (*Peronospora farinose spinacea*).

RECOMMENDATIONS FOR USE

Use on «Preventive Programme basis». Ridomil Gold® MZ 68 WG is effective in controlling downy mildew in brassicas (broccoli, Chinese cabbage, brussels sprouts, cauliflower, cabbage and rape), cucurbits, onions and spinach. It provides excellent crop protection also under heavy disease pressure. For brassica seedbed disease control, the first application should be carried out immediately after sowing on the bare seedbed. Spray to the point of run off; if less water is used concentrate the spray mixture accordingly. There is no need to add wetting agents or stickers.

Dosage	Spray interval	Timing
250 g per 100 litres of water	Apply a maximum of 3 sprays per crop at an interval of 3 days. Change over to a fungicide with different mode of action within 7 days of the last application of Ridomil Gold® MZ 68 WG.	First application shortly before disease attack is expected.

4. ROSES Downy mildew (*Peronospora sparsa*)

Dosage	No. of applications & Timing	Spray interval	Spray volume per ha
250 g per 100 litres water (1.25 kg/ha)	Apply a maximum of 3 sprays per crop. First application shortly before disease attack is expected.	10 days. Change to a fungicide with a different of action within 7-10 days of the last application of Ridomil Gold® MZ 68 WG.	500-1000 lt.

PREPARING MIXTURE

Mix the required quantity of Ridomil Gold® MZ 68 WG with a small volume of water into a slurry. Half fill the spray tank with clean water and while agitating, pour the slurry into the spray tank through a 50 mesh sieve. Top up the tank to the required volume. Ensure thorough agitation of the mixture in the tank during mixing and spraying.

COMPATIBILITY

Ridomil Gold® MZ 68 WG is compatible with most other commonly used fungicides and insecticides. The compatibility of Ridomil Gold® MZ 68 WG with third party products may be affected by the formulation of the other products and or the quality of the water used for dilution. Since Syngenta cannot be aware of the water quality, we cannot accept responsibility for poor results or crop damage attributed to poor compatibility. Test compatibility with the water and the product to be used in the mixture, prior to application to ensure both physical compatibility and crop safety.

Shelf-life: Two years from date of manufacture if stored in original container under constant cool conditions.

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Emergency Call Number:

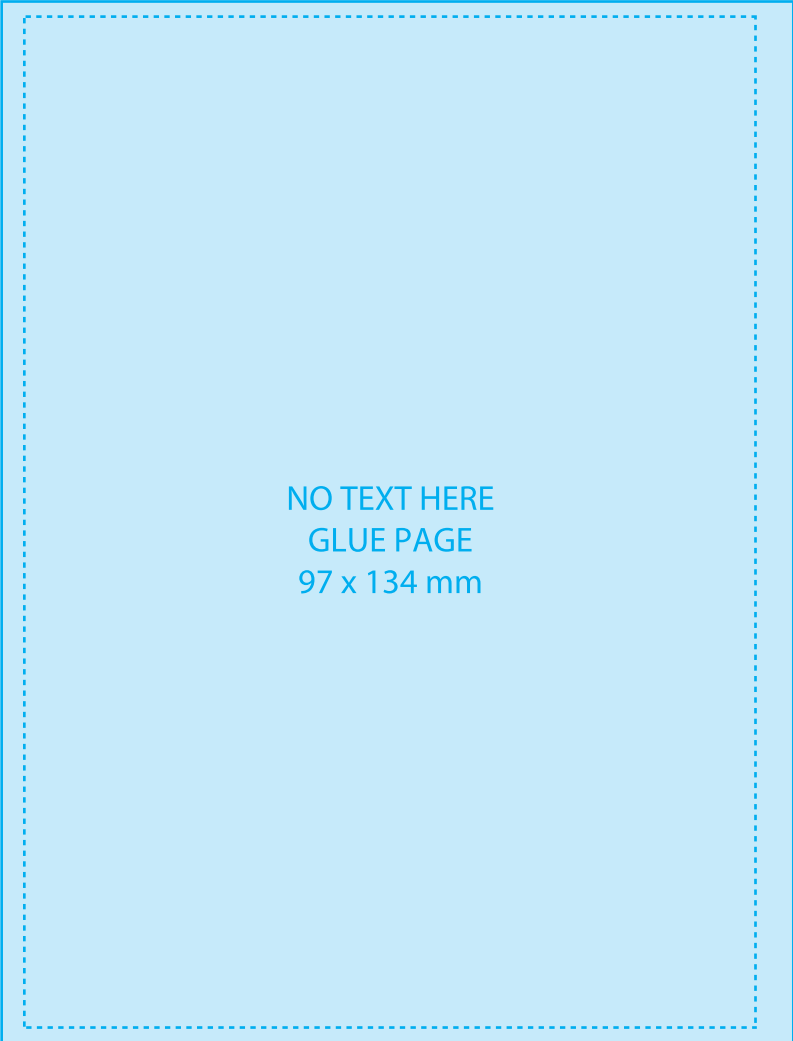
Swiss Toxicological Information Centre, (24 h) +41 44 251 51 51

Manufactured by: Syngenta Crop Protection AG, Basel Switzerland

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GLUE PAGE
97 x 134 mm

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**Product name : **RIDOMIL GOLD MZ WG**

Design code : A9651E

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use : Fungicide

1.3 Details of the supplier of the safety data sheetCompany : Syngenta Crop Protection AG
Postfach
CH-4002 Basel
Switzerland

Telephone : +41 61 323 11 11

Telefax : +41 61 323 12 12

E-mail address : sds.ch@syngenta.com

1.4 Emergency telephone number**Emergency tele-
phone number** : +44 1484 538444**SECTION 2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Classification according to Regulation (EU) 1272/2008

Reproductive toxicity	Category 2	H361d
Skin sensitization	Sub-category 1B	H317
Specific target organ toxicity - single exposure	Category 3	H335
Acute aquatic toxicity	Category 1	H400
Chronic aquatic toxicity	Category 1	H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

N, Dangerous for the environment

Xn, Harmful

R43: May cause sensitization by skin contact.

R37: Irritating to respiratory system.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R63: Possible risk of harm to the unborn child.

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2.2 Label elements

Labelling: Regulation (EC) No. 1272/2008

Hazard pictograms



Signal word	:	Warning	
Hazard statements	:	H317 H335 H361d H410	May cause an allergic skin reaction. May cause respiratory irritation. Suspected of damaging the unborn child. Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	P102 P261 P270 P280 P302 + P352 P304 + P340 P308 + P313 P391 P501	Keep out of reach of children. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/ attention. Collect spillage. Dispose of contents/ container to an approved waste disposal plant.
Supplemental information	:	EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

Hazardous components which must be listed on the label:

- mancozeb

Labelling: EU Directives 67/548/EEC or 1999/45/EC

Symbol(s)



**Dangerous
for the envi-
ronment**



Harmful

R-phrase(s)	:	R43 R37 R50/53 R63	May cause sensitization by skin contact. Irritating to respiratory system. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of harm to the unborn child.
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S-phrase(s) : S 2 Keep out of the reach of children.
 S13 Keep away from food, drink and animal feedingstuffs.
 S20/21 When using do not eat, drink or smoke.
 S35 This material and its container must be disposed of in a safe way.
 S36/37 Wear suitable protective clothing and gloves.
 S57 Use appropriate container to avoid environmental contamination.

Additional Labelling : To avoid risks to man and the environment, comply with the instructions for use.

Hazardous components which must be listed on the label:

- mancozeb

2.3 Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration
mancozeb	8018-01-7	N, Xn R43 R50 R63	Repr.2; H361d Skin Sens.1; H317 Aquatic Acute1; H400	64 % W/W
metalaxyl-M	70630-17-0	Xn R22 R41	Acute Tox.4; H302 Eye Dam.1; H318	4 % W/W

Substances for which there are Community workplace exposure limits.

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

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SECTION 4. FIRST AID MEASURES**4.1 Description of first aid measures**

- General advice : Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control center or physician, or going for treatment.
- Inhalation : Move the victim to fresh air.
If breathing is irregular or stopped, administer artificial respiration.
Keep patient warm and at rest.
Call a physician or poison control centre immediately.
- Skin contact : Take off all contaminated clothing immediately.
Wash off immediately with plenty of water.
If skin irritation persists, call a physician.
Wash contaminated clothing before re-use.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses.
Immediate medical attention is required.
- Ingestion : If swallowed, seek medical advice immediately and show this container or label.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Medical advice : There is no specific antidote available.
Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES**5.1 Extinguishing media**

Extinguishing media - small fires
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media - large fires
Alcohol-resistant foam
or
Water spray

Do not use a solid water stream as it may scatter and spread fire.

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5.2 Special hazards arising from the substance or mixture

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).

Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Wear full protective clothing and self-contained breathing apparatus.

Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8.
Avoid dust formation.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

Do not create a powder cloud by using a brush or compressed air.

Clean contaminated surface thoroughly.

If the product contaminates rivers and lakes or drains inform respective authorities.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

Refer to disposal considerations listed in section 13.

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SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Potential for spontaneous combustion.
To avoid thermal decomposition, do not overheat.
Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

This material can be thermally unstable at elevated temperatures. The material is thermally stable at normal ambient temperatures as packaged. Store the material away from sources of heat such as steam pipes, radiators or heaters. Maintain an air gap between individual packages. Do not repack into larger volume packages. Do not bulk-up in silos, storage bins or hoppers without considering the potential product degradation/decomposition problem. Further advice is available from Syngenta. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Storage temperature : < 35 °C

7.3 Specific end uses

Registered Crop Protection products: For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	Exposure limit(s)	Type of exposure limit	Source
mancozeb	1 mg/m ³	8 h TWA	SUPPLIER
metalaxyl-M	10 mg/m ³	8 h TWA	SYNGENTA

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of the product.

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8.2 Exposure controls

- Engineering measures : Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.
The extent of these protection measures depends on the actual risks in use.
If airborne dust is generated, use local exhaust ventilation controls.
Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit.
Where necessary, seek additional occupational hygiene advice.
- Protective measures : The use of technical measures should always have priority over the use of personal protective equipment.
When selecting personal protective equipment, seek appropriate professional advice.
Personal protective equipment should be certified to appropriate standards.
- Respiratory protection : No personal respiratory protective equipment normally required.
A particulate filter respirator may be necessary until effective technical measures are installed.
- Hand protection : Chemical resistant gloves should be used.
Gloves should be certified to an appropriate standard.
Gloves should have a minimum breakthrough time that is appropriate to the duration of exposure.
The breakthrough time of gloves varies according to the thickness, material and manufacturer.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Suitable material
Nitrile rubber
- Eye protection : Eye protection is not usually required.
Follow any site specific eye protection policies.
- Skin and body protection : Assess the exposure and select chemical resistant clothing based on the potential for contact and the permeation / penetration characteristics of the clothing material.
Wash with soap and water after removing protective clothing.
Decontaminate clothing before re-use, or use disposable equipment (suits, aprons, sleeves, boots, etc.)
Wear as appropriate:
Dust impervious protective suit

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

- Physical state : solid
Form : granules
Colour : light yellow to light brown
Odour : weak
Odour Threshold : no data available

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pH	: 5 - 9 at 1 % w/v
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: not highly flammable
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Density	: no data available
Solubility in other solvents	: not soluble

Partition coefficient: n-octanol/water	: no data available
Autoignition temperature	: 190 °C
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Explosive properties	: Not explosive
Oxidizing properties	: not oxidizing

9.2 Other information

Dust explosion class	: Forms flammable dust clouds.
Minimum ignition energy	: 0.001 - 2 kJ
Bulk density	: 0.45 - 0.65 g/cm ³
Miscibility	: Miscible
Surface tension	: 57.8 mN/m at 20 °C

SECTION 10. STABILITY AND REACTIVITY**10.1 Reactivity**

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

None known.
Hazardous polymerisation does not occur.

10.4 Conditions to avoid

No information available.

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10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Combustion or thermal decomposition will evolve toxic and irritant vapors.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity	:	LD50 female rat, > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 male and female rat, > 5.13 mg/l , 4 h
Acute dermal toxicity	:	LD50 male and female rat, > 5,000 mg/kg
Skin corrosion/irritation	:	rabbit: Non-irritating
Serious eye damage/eye irritation	:	rabbit: Non-irritating
Germ cell mutagenicity		
mancozeb	:	Did not show mutagenic effects in animal experiments.
metalaxyl-M	:	Did not show mutagenic effects in animal experiments.
Carcinogenicity		
mancozeb	:	Did not show carcinogenic effects in animal experiments.
metalaxyl-M	:	Did not show carcinogenic effects in animal experiments.
Teratogenicity		
metalaxyl-M	:	Did not show teratogenic effects in animal experiments.
Reproductive toxicity		
mancozeb	:	Suspected of damaging the unborn child.
metalaxyl-M	:	Did not show reproductive toxicity effects in animal experiments.

STOT - single exposure	:	May cause respiratory irritation.
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STOT - repeated exposure		
mancozeb	:	No adverse effect has been observed in chronic toxicity tests.
metalaxyl-M	:	No adverse effect has been observed in chronic toxicity tests.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	:	LC50 Cyprinus carpio (Carp), 23 mg/l , 96 h
Toxicity to aquatic invertebrates	:	EC50 Daphnia magna (Water flea), 0.8 mg/l , 48 h

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- Toxicity to aquatic plants : EbC50 Pseudokirchneriella subcapitata (green algae), 0.09 mg/l , 72 h
: ErC50 Pseudokirchneriella subcapitata (green algae), 0.2 mg/l , 72 h

12.2 Persistence and degradability

Stability in water

- mancozeb : Degradation half life: 5.8 - 55 h
Not persistent in water.
metalaxyl-M : Degradation half life: 22.4 - 47.5 d
Not persistent in water.

Stability in soil

- mancozeb : Degradation half life: 6 - 15 h
Not persistent in soil.
metalaxyl-M : Degradation half life: < 50 d
Not persistent in soil.

12.3 Bioaccumulative potential

- mancozeb : Does not bioaccumulate.
metalaxyl-M : Low bioaccumulation potential.

12.4 Mobility in soil

- mancozeb : Low mobility in soil.
metalaxyl-M : Metalaxyl has a range from low to very high mobility in soil depending on soil type.

12.5 Results of PBT and vPvB assessment

- mancozeb : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
This substance is considered to be very persistent and very bioaccumulating (vPvB).
metalaxyl-M : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
This substance is considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

None known.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

- Product : Do not contaminate ponds, waterways or ditches with chemical or used container.
Do not dispose of waste into sewer.
Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local regulations.

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Contaminated packaging : Empty remaining contents.
Triple rinse containers.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**Land transport (ADR/RID)**

14.1 UN number: UN 3077
14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MANCOZEB)
14.3 Transport hazard class(es): 9
14.4 Packing group: III
Labels: 9
14.5 Environmental hazards : Environmentally hazardous

Sea transport(IMDG)

14.1 UN number: UN 3077
14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MANCOZEB)
14.3 Transport hazard class(es): 9
14.4 Packing group: III
Labels: 9
14.5 Environmental hazards : Marine pollutant

Air transport (IATA-DGR)

14.1 UN number: UN 3077
14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MANCOZEB)
14.3 Transport hazard class(es): 9
14.4 Packing group: III
Labels: 9

14.6 Special precautions for user

none

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

GHS-Labeling

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Hazard pictograms



Signal word	:	Warning
Hazard statements	:	<p>H313 May be harmful in contact with skin.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H335 May cause respiratory irritation.</p> <p>H361d Suspected of damaging the unborn child.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p>
Precautionary statements	:	<p>P102 Keep out of reach of children.</p> <p>P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves/ protective clothing.</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P308 + P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P391 Collect spillage.</p> <p>P501 Dispose of contents/ container to an approved incineration plant.</p>
Supplemental information	:	<p>EUH401 To avoid risks to human health and the environment, comply with the instructions for use.</p>
Remarks	:	<p>Classified using all GHS hazard classes and categories. Where the GHS contains options, the most conservative option has been chosen.</p> <p>Regional or national implementations of GHS may not implement all hazard classes and categories.</p>

Hazardous components which must be listed on the label:

- mancozeb

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16. OTHER INFORMATION

Further information

Full text of R-phrases referred to under sections 2 and 3:

R22	Harmful if swallowed.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.

RIDOMIL GOLD MZ WG

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R50	Very toxic to aquatic organisms.
R63	Possible risk of harm to the unborn child.

Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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