



BHUDEVA AFRICA LIMITED
P.O BOX 29024 - 00100,
Nairobi; Kenya

MATERIAL SAFETY DATA SHEET OF
METALAXYL 80g/L + MANCOZEB 640g/L WP

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Manufacturer: Yifan Biotechnology Group Co., Ltd.

Address: No.555, Changan Road, Yaoxi Subdistrict, Longwan District, Wenzhou City, Zhejiang, China

Tel: + 86-577-86637855

Fax: + 86-577-86636638

Product name: Metalaxyl 80g/L + Mancozeb 640g/L WP

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGRIDIENT	CAS NO	PROPORTION, g/L
Metalaxyl	57837-19-1	80
Mancozeb	8018-01-7	640
Other ingredients	/	Up to 1000

3. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Hazard Classes/ categories

Acute toxicity, oral, Category5

dermal, Category5

inhalation, Category5

skin sens, Category1

Label elements

Pictograms and Signal word

Physical Address: Sapna Business Park
Kyang'ombe Area, ICD Road, Nairobi
Phone: +254734 496714, Email: bhudevafrica@gmail.com



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WARNING

Hazard statement(s)

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child

H411 Toxic to aquatic life with long lasting effects

Precautionary statement(s)

P261: Avoid breathing dust and spray.

P280: Wear nitrile gloves and protective clothing.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P501: Dispose of contents/container to an authorised hazardous waste collection site in accordance with national regulation.

4. FIRST AID MEASURES

If Inhaled: Remove person from exposure area to fresh air, Keep patient at most comfort level and keep warm.

Get medical attention.

If Ingestion: Rinse mouth with water. Give large quantities of water or if available, milk, egg white or gelatin.

Do not induce vomiting unless told. Keep patient at rest and do not give anything by mouth to unconscious persons. Seek medical attention.

If on Skin: Remove contaminated clothing and wash skin with plenty of soap and water.

If in Eye: Wash eyes with fresh water for 15 minutes. If irritation continues, see a doctor.

First Aid Facilities: If poisoning occurs, contact a doctor or the Poisons Information Centre.

Advice to Doctor: Treat symptomatically. No specific antidote.

5. FIRE FIGHTING MEASURES

Flash point: NA.



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Extinguishing Media: Water fog, foam, carbon dioxide or dry chemical.

Hazards from Combustion Products: On burning, carbon dioxide and nitrogen oxides can be expected.

Special Protective Equipment for fire fighters: Wear self-contained breathing apparatus pressure –demand, MSHA/NIOSH and full protective gear.

6. ACCIDENT RELEASE MEASURES

Clean up spills immediately, observing precautions. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Vacuum or sweep up material and place in properly labeled disposal container. Large spills may be neutralized with dilute solutions of soda ash or lime. After removal, flush contaminated area thoroughly with water. Do not allow any material to run off in soil, drainage systems or bodies of water. Notify and consult with proper regulatory authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling: keep out of reach of children. Use only in well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

Conditions for Safe Storage: Store in the closed, original container in a dry, cool well ventilated area out of direct sunlight. Keep away from food, animal feed and drinking water.

Other Information: Always read the label and any attached leaflet before use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation may be necessary to control any air contaminants to within their TLV's during the use of this product. Facilities storing or utilizing this material should be equipped with eyewash facility and safety shower.

Personal Protective Equipment:

EYE PROTECTION - Safety glasses

CLOTHING – Long sleeved shirt and long pants, shoes plus socks, chemical resistant headgear for overhead exposures.

GLOVES – Waterproof gloves.

USER SAFETY RECOMMENDATIONS – Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before



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removing. As soon as possible, wash thoroughly and change in to clean clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Grey yellow powder.

Suspensibility of Metalaxyl: $\geq 80\text{g/L}$

Suspensibility of Mancozeb: $\geq 640\text{g/L}$

Water : $\leq 3.0\%$.

pH: 6.0-9.0

Wettability: $\leq 90\text{s}$

Wet sieve test (325 mesh): $\geq 98\%$

10. STABILITY AND REACTIVITY

Stability: No data available.

Incompatible Materials: Oxidising agents.

Hazardous decomposition products: On burning carbon dioxide and nitrogen oxides can be expected.

Hazardous Polymerization: No data available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral LD_{50} : $>2000\text{ mg/kg}$

Dermal LD_{50} : $>2000\text{ mg/kg}$

Ingestion LD_{50} : $>2000\text{ mg/kg}$

Inhalation $\text{LC}_{50}(4\text{h})$: $>5.07\text{ mg/L}$

Skin LD_{50} : $>2000\text{ mg/kg}$

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATION

Product Disposal: Dispose of in accordance with applicable Federal, State, local laws and regulations.

Container Disposal: Empty the container with equipment. Do not re-use the container. Dispose of empty containers in a sanitary landfill or incineration so as to avoid environmental or water pollution.

14. TRANSPORT INFORMATION



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UN Number: 3077

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

Transport hazard class: 9

Packing group: III

Marine pollutant: YES

15. REGULATORY INFORMATION

European/International Regulation:

Hazard Classification:

Risk Phrases:

R22 Harmful if swallowed

Safety Phrases:

S1/2 Keep locked-up and out of reach of children

S3 Keep in a cool place S 8 Keep container dry

S24/25 Avoid contact with skin and eyes.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

This MSDS summarizes 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. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact the company.

END OF MSDS