



SUNFARM AGROCHEMICALS LTD

ADD.: XIAOMIAO TOWN, SHUSHAN DISTRICT, HEFEI, ANHUI, CHINA
WWW.SUNFARMCHEM.COM SUNFARMAGRO@YAHOO.COM +86-15986675013

Material Safety Data Sheet

(In accordance with 2001/58/EC)

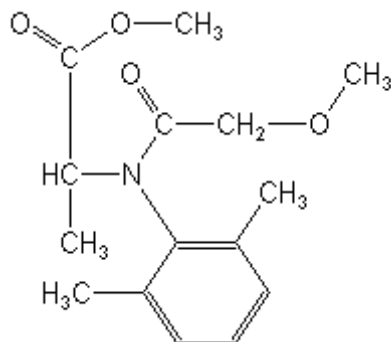
SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **METALAXYL 350G/KG WP**

CAS No.: **57837-19-1**

Empirical formula: **C₁₅H₂₁NO₄**

Structural formula:



Product use: **FUNGICIDE**

Chemical Formulation: **WETTABLE POWDER**

Supplier: **SUNFARM AGROCHEMICALS LIMITED**

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition	Content (g/Kg)	CAS number
METALAXYL	350g/Kg min	57837-19-1

SECTION 3: HAZARDS IDENTIFICATION

Hazardous Substance, non-dangerous goods

Not "dangerous goods" for transport by road or rail

Ingestion: May be harmful if swallowed.

Skin irritation: May cause irritation

Eye irritation: May cause irritation.

Inhalation: May cause irritation.

SECTION 4: FIRST AID MEASURES

Inhalation: Should irritation occur, remove patient to fresh air. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. Seek medical assistance soon if irritation persists.

Skin contact: Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Gently wash affected areas with soap and water. If a large area is affected or if irritation persists seek medical assistance.

Eye contact: May cause irritation and may be harmful. Flush eyes immediately and continue for at least 15 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face.

Ingestion: Do NOT induce vomiting if swallowed. Wash mouth with water and seek medical attention immediately. Small sips of water may be given.



SUNFARM AGROCHEMICALS LTD

ADD.: XIAOMIAO TOWN, SHUSHAN DISTRICT, HEFEI, ANHUI, CHINA
WWW.SUNFARMCHEM.COM SUNFARMAGRO@YAHOO.COM +86-15986675013

NOTES TO PHYSICIAN

Symptoms: Vomiting, Diarrhoea, Abdominal pain, Tremors, Hypotension, muscular weakness, Unconsciousness, Coma, Convulsions, Respiratory failure, Nausea, Tachycardia

Symptoms: Symptoms may be delayed.

Treatment: Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing media:

Water Spray; Foam; Dry Powder; Carbon dioxide

Hazards from combustion products:

In the event of fire the following may be released:

Hydrogen chloride (HCl),

Nitrogen oxides (NO_x)

Precautions for fire-fighting:

In the event of fire, wear self-contained breathing apparatus.

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.

Whenever possible, contain fire-fighting water by diking area with sand or earth.

Do not allow run-off from fire fighting to enter drains or water courses.

Hazchem Code: not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment

Environmental precautions:

Do not allow to get into surface water, drains and ground water.

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

Methods for cleaning up:

Absorb spills with inert material and place in waste containers. Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Handling

Hygiene measures:

When using, do not eat, drink or smoke.

Handle in accordance with good industrial hygiene and safety practice.

Wash hands thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco, using the toilet or applying cosmetics.

Remove soiled clothing immediately and clean thoroughly before using again.

Storage:

Requirements for storage areas and containers

Keep out of the reach of children.



SUNFARM AGROCHEMICALS LTD

ADD.: XIAOMIAO TOWN, SHUSHAN DISTRICT, HEFEI, ANHUI, CHINA
WWW.SUNFARMCHEM.COM SUNFARMAGRO@YAHOO.COM +86-15986675013

Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep away from direct sunlight.

Protect from extreme temperatures(>30°C).

Advice on common storage

Keep away from food, drink and animal feeding stuffs.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment - End user

General advice: Eye wash facility and safety shower should be available.

Respiratory protection: Use respiratory protection for organic vapors.

Hand protection: Elbow-length PVC or nitrile gloves

Eye protection: Face-shield or goggles

Skin and body protection: Cotton overall buttoned to the neck and wrist

Washable hat

Engineering Controls

Advice on safe handling

Provide for appropriate exhaust ventilation and dust collection at machinery.

SECTION 9: PHYSICAL PROPERTIES

Appearance

Form: Powder

Color: Pink

Odour: Non-specific

Safety data

Ph: 8.3-8.7 at 100% (23°C)

Flash Point: Not Flammable

Ignition temperature: N/A

Density: 1.0g/cm³ at 20°C

Solubility: Water Wettable

Stability: Stable for at least two years under normal storage and usage conditions

SECTION 10: STABILITY AND REACTIVITY

Chemical stability: Stable at normal temperatures.

Hazardous polymerization: Will not occur.

Conditions to avoid: Acids, Bases, Extreme heat

Material to avoid: Strong Oxidizing agents

Hazardous decomposition on Products: Fire can generate poisonous and corrosive fumes containing oxides of carbon and nitrogen.

No hazardous decomposition products known

SECTION 11: TOXICOLOGICAL INFORMATION

Ingestion (oral): rat LD₅₀ > 600 mg/kg

Skin (dermal): rabbit LD₅₀ > 3000 mg/kg

Inhalation: LC₅₀ (4h) >3000 mg/L for rats



SUNFARM AGROCHEMICALS LTD

ADD.: XIAOMIAO TOWN, SHUSHAN DISTRICT, HEFEI, ANHUI, CHINA
WWW.SUNFARMCHEM.COM SUNFARMAGRO@YAHOO.COM +86-15986675013

Eye irritation: Slight irritant to eyes Rabbits
Skin irritation: Practically non-irritating to rabbit skin.
Sensitization: Not a skin sensitizer (Guinea pigs)

SECTION 12: ECOLOGICAL INFORMATION

Daphnia: EC₅₀: 28 mg/l (48h); Water flea (Daphnia magna)
FISH: LC₅₀: > 100 mg/l (96h); Carp (Cyprinus carpio)
LC₅₀: > 100 mg/l (96h); Rainbow trout (Oncorhynchus mykiss)
LC₅₀: > 100 mg/l (96h); Blue gill sunfish
ALGAE: IC₅₀: 33 mg/l (72h); Green algae (Scenedesmus subspicatus)

SECTION 13: DISPOSAL CONSIDERATIONS

See the individual container label for disposal information.
Emptied packages retain product residue and dust.
Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.
Empty packaging completely stored for collection by approved waste disposal service.
Do not re-use containers.
Recycle if appropriate facilities/equipment available. Bury in approved landfill.
Follow all local/regional/national/international regulations.

SECTION 14: TRANSPORT INFORMATION

**According to national and international transport regulations:
not classified as dangerous goods**

UN Number: not applicable

Proper Shipping Name: Contains no hazardous ingredients
Dangerous Goods Class: Not regulated
Packing Group: Not regulated

SECTION 15: REGULATORY INFORMATION

Risk phrases:

R22 Harmful if swallowed

Safety phrases:

S1/2 Keep locked up and out of reach of children
S28 After contact with skin, wash immediately with plenty of (to be specified by manufacturer)
S36/37 Wear suitable protective clothing and suitable gloves
S61 Avoid release to the environment. Refer to special instructions/safety data sheets

SECTION 16: OTHER INFORMATION

This MSDS summarizes 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 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 this company.



SUNFARM AGROCHEMICALS LTD

ADD.: XIAOMIAO TOWN, SHUSHAN DISTRICT, HEFEI, ANHUI, CHINA
WWW.SUNFARMCHEM.COM SUNFARMAGRO@YAHOO.COM +86-15986675013

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. ---End of MSDS

For and on behalf of

SUNFARM AGROCHEMICALS LTD.