

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade Name: **MEVAXIL BAKIR SC**

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

Identified uses: Fungicide

Uses advised against: You must not use for other purposes other than those described in the product.

### 1.3. Details of the supplier of the safety data sheet

Supplier: **INDUSTRIAS QUIMICAS DEL VALLÉS, S.A.**

Address: Av. Rafael Casanova, 81  
08100 – Mollet del Vallés ( Barcelona ) - Spain

Telephone number: (34) 935.796.677

Fax: (34) 935.791.722

E-mail address for a competent person responsible for the safety data sheet: [fsegur@iqvagro.com](mailto:fsegur@iqvagro.com)

1.4. Emergency telephone number 114 Poison Emergency (Turkey)  
(24h)

Other comments: No information available.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### CLP Classification table

#### Classification according to Regulation (EC) 1272/2008

Hazard Classes/ categories	Hazard statement(s)
Acute Tox. Oral Cat.4	H302: Harmful if swallowed.
Skin Sens. Cat.1	H317: May cause an allergic skin reaction.
Eye Dam. Cat.1	H318: Causes serious eye damage.
Acute Tox. Inh. Cat.2	H330: Fatal if inhaled.
Aquatic Chronic Cat.2	H411: Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

#### Labelling according to Regulation (EC) 1272/2008



#### Signal word

DANGER

#### Hazard statement(s)

H302: Harmful if swallowed.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H330: Fatal if inhaled.  
H318: Causes serious eye damage.  
H411: Toxic to aquatic life with long lasting effects.

#### Precautionary statement(s)

P261: Avoid breathing vapours, mist or spray.  
P270: Do not eat, drink or smoke when using this product.  
P273: Avoid release to the environment.  
P280: Wear chemical protective gloves, protective clothing, and eye and face protection.  
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.



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Revision date:05-07-2017  
Version:3.0

Replaces version :2.0 (29-11-2016)  
Page: 2 / 9

### COPPER HYDROXIDE 259g/L + METALAXYL 49g/L SC

P391: Collect spillage.

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

EUH401: To avoid risks to human health and the environment, comply with the instructions for use

EUH208: Contains Metalaxyl, may produce an allergic reaction.

Authorisation REACH number(s) : Not applicable.

#### 2.3. Other hazards

Compliance with PBT/vPvB criteria : There are no risks in accordance with Regulation 1999/45 of the EC or not classified as PBT or vPvB.

Other hazards which do not result in classification :

The substance/mixture is not classified as SVHC.

#### 2.4. Phrases for special risks:

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures :

Chemical name	Content (%)	EC number	CAS Number	Classification Regulation (EC) 1272/2008 – Annex VI	Hazard statement(s)*	
COPPER HYDROXIDE TECHNICAL	25,9 (w/v)	243-815-9	20427-59-2	Acute Tox. Oral	Cat.4	H302
				Acute Tox. Inhalation	Cat.2	H330
				Eye Dam.	Cat.1	H318
				Aquatic Acute	Cat.1	H400
				Aquatic Chronic	Cat.1	H410
METALAXYL TECHNICAL	4,9 (w/v)	260-979-7	57837-19-1	Acute Tox. Oral	Cat.4	H302
				Skin Sens.	Cat.1	H317
				Aquatic Chronic	Cat.3	H412

(\*) See the full text of the hazard statements in section 16.

Composition (%) : Copper Hydroxide (259 g/L exp. as Cu w/v)  
Metalaxyl (49 g/L exp. as Metalaxyl pure w/v)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General notes: If symptoms persists, call a physician.

In case of inhalation: "If breathing is stopped, trained personnel should begin artificial respiration (AR) or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED)."

In case of contact with skin: As quickly as possible, remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately wash with lukewarm, gently flowing water and non-abrasive soap for 15-20 minutes. Immediately obtain medical attention. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

In case of contact with eyes: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. Obtain medical advice.

En case of ingestion: NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink 60 to 240 mL (2 to 8 oz.) of water. If vomiting occurs naturally, have victim rinse mouth with water again. Immediately obtain medical attention.

Recommendations for first aid responders: Use suitable protective clothing

#### 4.2. Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed: Not determined

#### 4.3. Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed: Not determined

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Non inflammable product.  
Only the container and packing may ignite.  
Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.  
Collect contaminated fire-fighting water separately. It must not enter the sewage system.

Unsuitable extinguishing media: Water jet from high flow (due to risk of contamination).

#### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Not known.  
Other specific hazards: Not known.

#### 5.3. Advice for firefighters

Advice for firefighters: Wear suitable protective clothing and dust mask with filter for chemicals.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Do not breath the vapours, mist or spray.  
Avoid contact with mouth, eyes and skin.  
Keep unauthorised people, children and animals away from the spillage area  
Wear suitable protective clothing and gloves to prevent contamination.

For emergency responders: Not available

#### 6.2. Environmental precautions

Environmental precautions: Keep out of waterways.

#### 6.3. Methods and material for containment and cleaning up

Containment: Construction of barriers of protection, drains and coating methods.  
Cleaning: Absorb the liquid and cover polluted areas with a mixture (1:3) of sodium carbonate and sawdust, lime, sand or dust. Sweep and collect the rests and place them in a container with lid. Make sure the container is well closed, label it and store it in an authorised place. Do not clean contaminated area with water.

Other information: Do not use brushes or compressed air to clean surfaces or clothing.

#### 6.4. Reference to other sections

Reference to other sections: No information available.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Containment and measures to prevent fire: The job and the methodology should be organized in such a way that direct contact with the product is minimized or prevented. Handle with care. Workspaces Use with adequate ventilation and safety showers presence next.

Measures to prevent aerosol and dust generation: Avoid spills and leaks

Measures to reduce the release of the substance or mixture to the environment: No information available.

Advice on general occupational hygiene: No information available.

#### 7.2. Conditions for safe storage, including possible incompatibilities

Technical measures and storage conditions: Store the product in its original container, closed and tagged, in cool, dry, ventilated and away from food, beverages and feed. Keep out of reach of children, animals and unauthorized personnel

Packaging materials: -

Requirements for storage rooms and vessels: Storage Keep container closed after use. Avoid high temperatures and frost.

Further information on storage conditions: No data available



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Replaces version :2.0 (29-11-2016)  
Page: 4 / 9

### COPPER HYDROXIDE 259g/L + METALAXYL 49g/L SC

#### 7.3. Specific end use(s)

Recommendations: The product is for plant protection use.  
Industrial sector specific solutions: -

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

DNEL data: Not applicable  
Information on monitoring procedures: Not available  
Currently recommended monitoring methods: Not available  
Specific monitoring standards: No information available.  
PNEC data: Not applicable  
Control banding approach ("control banding"): Good industrial hygiene practices

#### 8.2. Exposure controls

**Appropriate engineering controls:** -  
Appropriate exposure control measures related to the identified use(s) of the substance or mixture: -  
Structural measures to prevent exposure: No information available.  
Organisational measures to prevent exposure: No information available.  
Technical measures to prevent exposure: No information available.

#### Individual protection measures, such as personal protective equipment

Eye/Face protection: Avoid contact. Safety glasses with side-shields.  
Hand Protection: Wear gloves. (Dexter CE 95 0072 4121 according to EEC/89/686). After use, wash with soap and water.  
Others: Mittens, boots or coverall depending on the hazards associated with the substance or mixture and the possibilities of contact.  
Respiratory Protection: In case of insufficient ventilation use respiratory equipment while preparing the mixture. (Affinity FR FFP1 D - CE 0121 according to EN 149:2001)  
Do not breathe dust. Full-face mask.  
Thermal hazards: Not available  
Skin Protection: Wear suitable clothing to avoid repeated or delayed contact with skin. Thoroughly wash working clothes daily. After use, wash with soap and water.

#### Environmental exposure controls

Appropriate exposure control measures related to the identified use(s) of the substance or mixture: No information available.  
Structural measures to prevent exposure: No information available.  
Organisational measures to prevent exposure: No information available.  
Technical measures to prevent exposure: No information available.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance: Blue viscous liquid  
Odour: odourless  
Odour threshold: No data available  
pH-value at 1%: 6.5 - 9 (20 °C)  
Melting point/freezing point: No data available  
Initial boiling point and boiling range: >100 °C

**COPPER HYDROXIDE 259g/L + METALAXYL 49g/L SC**

Flash point:	> 61 °C
Evaporation Rate:	No data available
Flammability (solid, gas):	Non-flammable
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	1.34 - 1.38 g/ml (20 °C)
Solubility (is):	Water solubility: Copper hydroxide: 2.9 mg/l (pH 7, 25°C) Metalaxyl: 8.4 g/l (22°C)
	Fat solubility: Copper hydroxide: Insoluble. Metalaxyl: Ethanol: 400 g/l (25°C) Acetone: 450 g/l (25°C) Toluene: 340 g/l (25°C) N-octanol: 68 g/l (25°C) N-hexane: 11 g/l (25°C)
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	600 – 900 cps (BROOKFIELD C3 ; V30)
Explosive properties:	Non-explosive
Oxidising properties:	No data available

**9.2. Other information**

Other information: No data available

**SECTION 10: Stability and reactivity**
**10.1. Reactivity**

Reactivity: No data available

**10.2. Chemical stability**

Chemical stability: Stable under normal conditions of storage for a period of 2 years, as minimum.

**10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions: No data available

**10.4. Conditions to Avoid**

 Conditions to Avoid: Corrosive in the long term to iron metals and alloys in presence of water/humidity.  
 To avoid thermal decomposition, not to overheat.

**10.5. Incompatible materials**

Incompatible materials: Acids and ammonium salts partially dissolve the product

**10.6. Hazardous decomposition products**

Hazardous decomposition products: No information available.

**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**

11.1.2 Mixture		Results
Acute toxicity	Ingestion: LD50	> 2000 mg/kg b.w.(rat) by Additivity formula
	Inhalation: LC50	1.02 – 3.22 mg/l air; 4h (rat)
	Skin: LD50	> 2000 mg/kg b.w (rat) by Additivity formula
Irritation:		Skin: Not irritant (Rabbit) by Additivity formula Eye: Serious eye damage / eye irritant (Rabbit)
Corrosivity:		No information available.
Sensitisation:		No sensitisation effects (Guinea pig)
Repeated dose toxicity:		No information available.
Carcinogenicity:		No information available.
Mutagenicity:		No information available.
Toxicity for reproduction:		No information available.

Information on likely routes of exposure:  
Main effects:  
Delayed and immediate effects as well as chronic effects from short and long-term exposure:  
Interactive effects:  
Other information:

There is no evidence of symptoms associated with this substance/mixture  
No data available  
  
No information available.  
No information available.  
No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute toxicity (short-term)

Fishes: LC50<sub>96h</sub> (*O. mykiss*) = 1.97 mg/product /L  
Crustaceans: No information available.  
Algae: No information available.  
Other aquatic plants: No information available.  
Micro-organisms: No information available.  
Macro-organisms: No information available.  
Aquatic invertebrates: No information available.

#### Environmental toxicity

Birds: No information available.  
Bees: No information available.  
Plants: No information available.

#### Chronic (long-term) toxicity

Fish: No information available.  
Crustaceans: No information available.  
Algae: E<sub>r</sub>C50<sub>72h</sub> (*P. subcapitata*) = 5.25 mg/product /L  
Other aquatic plants: No information available.  
Microorganisms: No information available.  
Macroorganisms: No information available.

#### Environmental toxicity

Birds: No information available.  
Bees: No information available.  
Plants: No information available.

### 12.2. Degradability

Abiotic Degradation: No information available.  
Physical- and photo-chemical elimination: No information available.  
Biodegradation: No information available.  
Other processes: - Copper hydroxide technical: Copper is strongly absorbed by soils, and it does not degrade.  
- Metalaxyl technical: photolytically stable.

### 12.3. Bioaccumulative potential

Partition coefficient n-octanol /water (Kow): No information available.  
Bioconcentration factor (BCF): - Copper hydroxide technical: Copper does not bioaccumulate. Organisms excrete copper naturally.  
- Metalaxyl technical: not bioaccumulate in mammals.

### 12.4. Mobility in soil

Known or predicted distribution to environmental compartments: - Copper hydroxide technical: Copper that is added to the soil mainly becomes bound to organic material. The content of organic material in the soil and the pH determine the degree of copper availability. Through the strong bounding to various soil components, the leaching out of copper is extremely low. Mobility in soil towards deeper layers is negligible.  
- Metalaxyl: It has a mobility in soil medium to high. The main metabolite, metalaxyl acid, is more mobile in the soil than the active substance.

Surface tension: No information available.  
Adsorption/Desorption: No information available.

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment: This mixture does not contain any substance that has been assessed as PBT or vPvB

### 12.6. Other adverse effects

Other adverse effects: No information available.  
Environmental fate: No information available.  
Photochemical ozone creation potential: No information available.



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Page: 7 / 9

### COPPER HYDROXIDE 259g/L + METALAXYL 49g/L SC

Ozone depletion potential:	No information available.
Endocrine disrupting potential:	No information available.
Global warming potential:	No information available.
<b>12.7. Other information</b>	
Other information:	No information available.
<b>12.8. Ecotoxicity</b>	
Ecotoxicity:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>12.9. Toxicological effects</b>	
Toxicological effects:	No data available


## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Appropriate methods of waste treatment of both substance or mixtures:	Waste should not be removed through the sewer. The elimination will be followed according to local, State or national provisions, either by incineration or recycling.
Appropriate methods of waste treatment of contaminated packaging:	The elimination will be followed according to local, State or national provisions. Either by incineration or recycling.
Waste codes / waste designations according to LoW:	No information available.
Appropriate methods of waste treatment of both substance or mixtures:	No information available.
Appropriate methods for the elimination of contaminated packaging:	No information available.
Special precautions:	No information available.
Community/national/regional provisions relating to waste management:	No information available.
Community/national/regional provisions relating to waste:	The elimination will be followed according to local, State or national provisions.

## SECTION 14: Transport information

### ADR/RID

UN Number:	UN3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains COPPER HYDROXIDE TECHNICAL, METALAXYL TECHNICAL)
Class:	9
	
ADR/RID Classification:	M6
Packing group:	III
Label:	9
Special Provisions:	274,335,601
Limited Quantities:	5 L
Packing Instructions:	P001,IBC03,LP01,R001
Special Packing Provisions:	-
Hazard identification number:	90
Kemler Code:	000

### IMDG

Marine Pollutant:	Yes
UN Number:	UN3082
Packing group:	-
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains COPPER HYDROXIDE TECHNICAL, METALAXYL TECHNICAL)
Class:	-
Label:	-
EmS Guide:	F-A, S-F





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Replaces version :2.0 (29-11-2016)  
Page: 8 / 9

### COPPER HYDROXIDE 259g/L + METALAXYL 49g/L SC

#### IATA

UN Number:	UN3082
Packing group:	-
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains COPPER HYDROXIDE TECHNICAL, METALAXYL TECHNICAL)
Class:	-
Label:	-

#### SECTION 15: Regulatory information

EU regulations:	CLP regulation (EC) 1272/2008; Regulation (EC) 2015/830 amending the annex II of regulation 1907/2006 REACH.
Phytosanitary Registration Number:	10920
Use authorizations:	Fungicide
Use restrictions:	You must not use for other purposes other than those described in the product.
Other EU regulations:	No information available.
Information on emission of volatile organic compounds (VOC):	No information available.
National regulations:	No information available.

#### 15.2. Chemical safety assessment

Chemical safety assessment:	No information available.
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#### SECTION 16: Other information

Reason for revision:	Adaptation to the labelling and toxicological classification updating according to Regulation (EC) 1272/2008.
Changes to the previous version:	Sections 2.1; 2.2; 3.2; 11 and 12.
Abbreviations and acronyms:	SDS: Safety Data Sheet OEL: Occupational Exposure Limit NACE: Nomenclature Générale des Activités Économiques dans les Communautés Européennes (French, EU classification system) TRGS: Real Time Gross Settlement OECD: Organisation for Economic Co-operation and Development PBT: Persistent, Bioaccumulative and Toxic vPvB: Very Persistent and very Bioaccumulative DNEL: Derived non-effect level PNEC: Predicted non-effect concentration LC50: Lethal concentration 50% LD50: Lethal dose 50% NOEL: Non-observed effect level NOAEL: Non observed adverse effect level NOAEC: Non observed adverse effect concentration SVHC: Substances of Very High Concern
Key literature references and sources for data:	REACH Registraton dossier and database of registered substances on the European Chemicals Agency (ECHA).
Indication of which of the methods of evaluating information referred to in Article 9 of Regulation (EC) No 1272/2008 was used for the purpose of classification:	No information available.

Relevant hazard statements mentioned in





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Page: 9 / 9

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section 3:

#### Hazard statement(s)

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H400: Very toxic to aquatic life  
H410: Very toxic to aquatic life with long lasting effects  
H412: Harmful to aquatic life with long lasting effects

Advice on any training appropriate for workers:

No information available.

Other information:

This information is based on the knowledge we have so far. This SDS refers exclusively to this product. All chemical substances in this product have been reported or are exempt from notification under notification to the EC laws.

Information in this SDS is based on the available published sources and is believed to be accurate. No warranty, express or implied, is made and our company assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application. The specifications of this safety data sheet describes the safety requirements of our product, this is not a guarantee of characteristics. They are based on current state.