

Safety data sheet
according to 1907/2006/EC, Article 31

print: 26.07.2012

rev n°: 2

Revision date: 26.07.2012

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: MICENE 80; MANCOZEB 80
kind of formulation wettable powder

Article number: 1532; 1533
use fungicide

Registration number NA

Relevant identified uses of the substance or mixture and uses advised against
Application of the substance / the preparation Agricultural chemicals

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SIPCAM S.p.A. - Via Vittorio Veneto, 81 - 20090 Salerano s. Lambro (MI)
TEL.: (0371) 5961 - FAX (0371) 71408

Emergency telephone number:

Emergency phone: + 39 0371 5961

For any questions regarding this MSDS please contact:
infomsds@sipcam.it

2 Hazards identification

Classification of the substance or mixture

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn; Harmful

R63: Possible risk of harm to the unborn child.



Xi; Sensitising

R43: May cause sensitisation by skin contact.



N; Dangerous for the environment

R50: Very toxic to aquatic organisms.

Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

Label elements

Labelling according to EU guidelines:

The product has been labelled in accordance with EC Directives / relevant national laws.

Observe the normal safety regulations when handling chemicals

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

Code letter and hazard designation of product:



Xn Harmful

N Dangerous for the environment

Hazard-determining components of labelling:

Mancozeb

Risk phrases:

43 May cause sensitisation by skin contact.

50 Very toxic to aquatic organisms.

63 Possible risk of harm to the unborn child.

Safety phrases:

24 Avoid contact with skin.

37 Wear suitable gloves.

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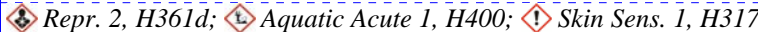
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57 Use appropriate container to avoid environmental contamination.
60 This material and its container must be disposed of as hazardous waste.

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures**Description:** Mixture of the substances listed below with harmless additions.**Dangerous components:**

N° CAS	Designation	R-Phrases	%
8018-01-7	Mancozeb  Repr. Cat. 3 		80.0%

4 First aid measures

Description of first aid measures**General information**

Instantly remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact Instantly wash with water and soap and rinse thoroughly.**After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

Seek immediate medical advice.

After swallowing

Do not induce vomiting; instantly call for medical help.

In case of persistent symptoms consult doctor.

Information for doctor**Most important symptoms and effects, both acute and delayed** No further relevant information available.**Indication of any immediate medical attention and special treatment needed**

If swallowed, gastric irrigation

Medical supervision for at least 48 hours

5 Firefighting measures

Extinguishing media**Suitable extinguishing agents**CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.**Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Sulphur dioxide (SO₂)Nitrogen oxides (NO_x)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

Advice for firefighters**Protective equipment:**

Wear full protective suit.

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Put on breathing apparatus.
Wear self-contained breathing apparatus.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid causing dust.

Put on breathing apparatus.

Wear protective clothing.

Environmental precautions:

Do not allow product to reach sewage system or water bodies.

Inform respective authorities in case product reaches water or sewage system.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

See Section 8 for information on personal protection equipment.

7 Handling and storage

Handling

Precautions for safe handling

Keep containers tightly sealed.

Prevent formation of dust.

Work only in fume cupboard.

Store in cool, dry place in tightly closed containers.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Prevent impact and friction.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Store only in the original container.

Store in cool location.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Protect from humidity and keep away from water.

Keep container tightly sealed.

8 Exposure controls/personal protection

Control parameters

Components with limit values that require monitoring at the workplace:

MANCOZEB (80%)

TWA	5
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Additional information: The lists that were valid during the compilation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Avoid contact with the eyes and skin.

The usual precautionary measures should be adhered to general rules for handling chemicals.

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Breathing equipment:

Breathing protection recommended.

Recommended filter device for short term use: Filter P1**Protection of hands:**

Protective gloves.

Material of gloves Plastic gloves**Eye protection:**

Safety glasses

Body protection:

Protective work clothing.

9 Physical and chemical properties

Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Solid.
Colour:	Yellow
Odour:	Characteristic

pH-value at 20°C: 6-7**Change in condition**

Melting point/Melting range: Not determined
Boiling point/Boiling range: Not determined

Flash point: Not applicable**Ignition temperature:** 145°C**Self-inflammability:** Product is not selfigniting.**Density at 20°C** 0.5 g/cm³**Solubility in / Miscibility with****Water:** Dispersible**Solvent content:**

Organic solvents: 0.0 %
Water: 0.0 %

Solids content: 100.0 %**Other information** No further relevant information available.

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10 Stability and reactivity

Reactivity**Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**Possibility of hazardous reactions**

Hazardous polymerisation has not been reported to occur under normal temperatures and pressures.

Conditions to avoid No further relevant information available.**Incompatible materials:** No further relevant information available.

11 Toxicological information

Information on toxicological effects**Acute toxicity:****LD/LC50 values that are relevant for classification:****8018-01-7 Mancozeb**

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rat)
Inhalative	LC50/4 h	>5.1 mg/l (rat)

Primary irritant effect:**on the skin:** Irritating to skin.**on the eye:** Irritant effect.**Sensitization:** Sensitizing effect by skin contact is possible by prolonged exposure.

12 Ecological information

Toxicity**Aquatic toxicity:****8018-01-7 Mancozeb**

LC 50	9 (96h) mg/l ((<i>Leponis macrochirus</i>))
	2.2 (96h) mg/l (catfish)
	4 (96h) mg/l (carp)
	2.2 (96h) mg/l (rainbow trout (<i>oncorhynchus mykiss</i>))

Persistence and degradability No further relevant information available.**Behaviour in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

13 Disposal considerations

Waste treatment methods**Recommendation**

Must be specially treated under adherence to official regulations.

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Uncleaned packagings:**Recommendation:** Disposal must be made according to official regulations.**14 Transport information****UN-Number****ADR, IMDG, IATA**

UN3077

UN proper shipping name**ADR**3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Mancozeb)**IMDG, IATA**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.**Transport hazard class(es)****ADR****Class**

9 (M7) Miscellaneous dangerous substances and articles.

Label

9+P

IMDG**Class**

9 Miscellaneous dangerous substances and articles.

Label

9+P

IATA**Class**

9 Miscellaneous dangerous substances and articles.

Label

9+P

Packing group**ADR, IMDG, IATA**

III

Environmental hazards:**Marine pollutant:**

"P"

Special marking (ADR):

Symbol (fish and tree)

Special marking (IATA):

Symbol (fish and tree)

Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

EMS Number:

F-AS-F

**Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code**

Not applicable.

Transport/Additional information:**ADR****Limited quantities (LQ)**

5 kg

Transport category

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Tunnel restriction code E**15 Regulatory information****Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data specification sheet: Product safety department.

R phrases

- H317 *May cause an allergic skin reaction.*
H361d *Suspected of damaging the unborn child.*
H400 *Very toxic to aquatic life.*
R43 *May cause sensitisation by skin contact.*
R50 *Very toxic to aquatic organisms.*
R63 *Possible risk of harm to the unborn child.*
*** Data compared to the previous version altered.**

12.01.1995