

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

1.1. Product identifier

Trade name:	AQ 10
Typology:	Mixture

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

Biofungicide based on *Ampelomyces quisqualis*, strain AQ 10.

1.3. Details of the supplier of the safety data sheet

Company name:	CBC (Europe) S.r.l.
Address:	Via E. Majorana 2 - 20834 Nova Milanese (MB) - Italy
Telephone:	(+39) 035-335313
Fax:	(+39) 035-335334
E-mail:	infobiogard@cbceurope.it

1.4. Emergency telephone number

Company number:	(+39) 035-335313
National center for toxicological information:	(+39) 02-66101029 Centro Antiveleni Milano

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Product is not classified as dangerous according to Regulation (EU) No. 1272/2008 (CLP) and Directives 1967/548/CEE and 1999/45/CE.

Classification according to Regulation (EU) 1272/2008 (CLP)

Not classified.

Classification according to Directives 1967/548/CEE and 1999/45/CE

Not classified.

2.2. Label elements

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

Hazard pictogram(s):	//	
Signal word(s)	//	
Hazard statement(s):	//	
Precautionary statement(s):	P261	Avoid breathing dust or spray.
	P280	Wear protective gloves/protective clothing.
	P285	In case of inadequate ventilation wear respiratory protection.
	P501	Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
Supplementary statement(s)	EUH401	To avoid risks to human health and the environment, comply with the instructions for use.
	EUH208	Contains microorganisms. May produce an allergic reaction.

2.3. Other hazards

The properties of the mixture do not meet the specific criteria detailed in Annex XIII of Regulation (EC) No. 1907/2006 or do not allow a direct comparison with all the criteria in Annex XIII, but nevertheless indicate that the mixture would not have PBT/vPvB properties so the substance is not considered a PBT/vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not relevant.

3.2. Mixtures

***Ampelomyces quisqualis* strain AQ 10 (58 %, 5 x 10⁹ viable spores/g)**

No. CAS:	-
No. EC:	-

No. INDEX:	-
No. CIPAC	589
N° REACH registration:	-
Classification Directive 1967/584/CEE:	Not dangerous.
Classification Regulation EC 1272/2008 (CLP):	Not dangerous.

SECTION 4: First aid measures

4.1. Description of first aid measures

Eye contact:	Rinse opened eye for several minutes under running water. If difficulty persists, seek medical attention.
Skin contact:	Wash affected area with plenty of soap and water. Generally the product does not irritate the skin.
Inhalation:	Supply fresh air. In case of unconsciousness place patient stably in side position for transportation.
Ingestion:	If swallowed, give several large glasses of water to dilute. Do not induce vomiting. Seek medical advice immediately.

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

For information related to symptoms and effects caused by the product, refer to SECTION 2 and to SECTION 11.

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

If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow any advice given.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: dry powder, carbon dioxide, foam .
 Unsuitable extinguishing media: none specified.

5.2. Special hazards arising from the substance or mixture

None known, but may produce oxides of carbon.

5.3. Advice for firefighters

Full protection by suitable clothing and positive pressure, self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing (coveralls), suitable protective gloves and suitable respiratory protective equipment when handling the product.

6.2. Environmental precautions

Contain spillage. Do not contaminate water with the product or its container. Do not clean application equipment near surface water and avoid contamination via drains from farmyards and roads.

6.3. Methods and material for containment and cleaning up

Absorb with liquid binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust).

6.4. Reference to other sections

Refer Section 13 for disposal information. No dangerous substances are released.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

When mixing spray formulations, avoid splashing/aerosol generation. When spraying diluted formulation, observe all specified restrictions and wear appropriate protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry place inaccessible to children and away from food. Product contains living spores and particular care should be taken to store it properly. If stored in the original sachet product has a guaranteed shelf-life of 1 year at room temperature and at least 2 years at temperatures between 4-8 °C. Do not store the product in extreme heat or cold temperature. Open sachets should be completely used. Keep out from freezing.

7.3. Specific end use(s)

Spray application onto agricultural or horticultural crops: spray away from surface waters.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limits have been established for the product.

8.2. Exposure controls

Use personal protective equipment in accordance with the standards set by European and national regulations.

Engineering controls:	Not applicable (mix in the open or a well-ventilated work area).
Eye/face protection	Use goggles. Avoid contact with eyes.
Skin/hand protection	Use gloves. Avoid contact with open wounds.
Respiratory protection:	Use of dust mask recommended.
Environmental exposure controls	Keep away from foodstuffs, beverages and feed. Do not eat or drink while working. Wash thoroughly after exposure. Remove contaminated clothing and wash before reuse.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

a) Appearance:	Granule, light grey to light beige.
b) Odour:	Characteristic, mould.
c) Odour threshold:	Not available.
d) pH:	7-9 (CIPAC MT 75.3).
e) Melting point/freezing point:	Not available.
f) Initial boiling point and boiling range:	Not required.
g) Flash point:	Not available.
h) Evaporation rate:	Not required.
i) Flammability (solid, gas):	Not available.
j) Upper/lower flammability or explosive limits:	Not available.
k) Vapour pressure:	Not required.
l) Vapour density:	Not required.
m) Relative density:	0.30 - 0.36 g/ml (CIPAC MT 186).
n) Solubility(ies):	Water: soluble.
o) Partition coefficient: n-octanol/water:	Not available.
p) Auto-ignition temperature:	Not available.
q) Decomposition temperature:	Not available.
r) Viscosity:	Not required.
s) Explosive properties:	Chemical structure suggests no explosive properties.
t) Oxidising properties:	Chemical structure suggests no oxidising properties.

9.2. Other information

Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not considered chemically reactive.

10.2. Chemical stability

Stable under normal ambient conditions and under the anticipated conditions of use.

10.3. Possibility of hazardous reactions

No particular risks of hazardous reactions under normal conditions.

10.4. Conditions to avoid

Extreme heat or cold temperature. Keep out from freezing.

10.5. Incompatible materials

None known.

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

a) Acute toxicity

<i>Ampelomyces quisqualis</i> strain AQ 10	oral	LD ₅₀ > 5050 mg/kg (rat).
	dermal	LD ₅₀ > 2020 mg/kg (rat).
	inhalation	No adverse effect until 3.7 x 10 ⁸ CFU/rat.

No product classification required.

b) Irritation

<i>Ampelomyces quisqualis</i> strain AQ 10	Not irritating for eye/skin.
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No product classification required.

c) Corrosivity

<i>Ampelomyces quisqualis</i> strain AQ 10	No corrosive effect known.
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No product classification required.

d) Sensitisation

<i>Ampelomyces quisqualis</i> strain AQ 10	Microorganisms may have the potential to provoke sensitizing reactions.
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Product may cause an allergic skin reaction.

e) Repeated dose toxicity

<i>Ampelomyces quisqualis</i> strain AQ 10	No toxic effects at repeated dose known.
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No product classification required.

f) Carcinogenicity

<i>Ampelomyces quisqualis</i> strain AQ 10	No carcinogenic effect known.
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No product classification required.

g) Mutagenicity

<i>Ampelomyces quisqualis</i> strain AQ 10	No mutagenic effect known.
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No product classification required.

h) Toxicity for reproduction

<i>Ampelomyces quisqualis</i> strain AQ 10	No toxic effect for reproduction known.
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No product classification required.

SECTION 12: Ecological information

12.1. Ecological information

<i>Ampelomyces quisqualis</i> strain AQ 10	No toxic effects to aquatic organisms known.
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No product classification required.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No PBT and vPvB assessment is carried out for the product.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product which is not used should be disposed of in accordance with all local regulations for the treatment of not toxic products. The product can be disposed of in a waste facility or in a landfill. If local and state regulations permit, the unused product can be incinerated.
Empty containers can have residues and are subject to proper waste disposal. After triple rinse can be offered for recycling. Do not reuse as a container.

SECTION 14: Transport information

Product is not classified as hazardous in accordance with the provisions of the current legislation governing the transport of dangerous goods by road (ADR), by Rail (RID), by sea (IMDG Code) and by air (IATA).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

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

No substance-specific regulations apply.

Labelling according to EU guidelines: the product has been classified and labelled in accordance with EU Directives/Ordinances on Hazardous Materials.

Code letter and designation of product: not classified.

Mixture evaluated according to Directive 91/414/EEC and Regulation (EC) 1107/2009.

UK registration: No. 17102 dated 28/05/2015.

15.2. Chemical safety assessment

No chemical safety assessment according to article 14 of Regulation (EC) 1907/2006 has been done. The active substances of the mixture are considered to be registered under REACH according to article 15 of Regulation (EC) 1907/2006.

SECTION 16: Other information

Full text of risk phrases (R) phrases mentioned in SECTION 2 and SECTION 3:

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Key literature references and sources for data:

- Directive 1967/548/CEE (and subsequent amendments and modification)
- Directive 1999/45/CE (and subsequent amendments and modification)
- Regulation EC No. 1272/2008 (CLP) (and subsequent amendments and modification)
- Regulation EC No. 1907/2006 (REACH) (and subsequent amendments and modification)

Remarks:

The Safety Data Sheet has been revised on 29/06/2015 in order to comply with Regulation (EC) No. 1272/2008 (CLP). The section 2 and 15 have been modified.

The information in this security information sheet corresponds to the current situation of our knowledge, but we do not assume any responsibility for it. The users must consider this information only as a complement to other information obtained by themselves and must carry out independent tests of suitability and completeness of the information in order to ensure the proper use and the elimination of these materials, as well as the security and health of employees, customers, and protection of the environment.