

Trade name: AMYLO-X WG**Product no.:** CUSA 100 C1407/UK**Current version :** 3.0.2, issued: 28.06.2023**Replaced version:** 3.0.1, issued: 22.06.2023**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

AMYLO-X WG**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Plant protection product

Biological fungicide

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

Certis Belchim B.V. (EU)

Stadsplateau 16

3521 AZ Utrecht - Nederland

Telephone no. 0031 (0)30 200 1200

Fax no. 0031 (0)30 310 0241

e-mail info@certisbelchim.com**Advice on Safety Data Sheet**www.certisbelchim.com**Identification of the supplier****Address**

Certis Belchim B.V. - United Kingdom

Suite 5, 3 Riverside, Granta Park - Great Abington

Cambridgeshire CB21 6AD

United Kingdom

Telephone no. 0044 (0) 1223 652500

Fax no. 0044 (0)1223 891210

e-mail info.uk@certisbelchim.com - www.certisbelchim.co.uk**1.4 Emergency telephone number**

Carechem 24 EU: +44 1235 239670

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification information**

Classification and labelling are based on toxicological studies performed on the product (mixture).

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard statements (EU)**

EUH401

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

Precautionary statement(s)

P501

Dispose of contents/ container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste.

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2.3 Other hazards

Bacillus amyloliquefaciens subsp. plantarum strain D747 may have the potential to provoke sensitising reactions.

PBT assessment

No data available.

vPvB assessment

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

solid plant protection formulation; Bacillus amyloliquefaciens D747 25% (WG)

Hazardous ingredients

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Change contaminated, saturated clothing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash immediately with plenty of water for several minutes.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

After ingestion

Call a doctor immediately and show label or packaging. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Allergic symptoms

4.3 Indication of any immediate medical attention and special treatment needed

The active ingredient contained in this product has a high affinity for activated charcoal. In case of ingestion of large amounts, administer 5 mg/kg activated charcoal suspension (50g/400mL in water).

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide; Extinguishing powder; Water spray jet; Foam

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

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Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Run-off water from fire fighting must not be discharged into drains or enter surface water. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge uncontrolled into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Collect mechanically. When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

No special measures necessary if stored and handled as prescribed. Do not inhale dust. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from food, drinks and animal feeding stuffs. Wash hands before breaks and after work. Provide eye wash fountain in work area. Do not inhale dust/fumes/aerosols.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

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

Requirements for storage rooms and vessels

Store product in closed containers.

Incompatible products

Do not store together with food, beverages and animal feeds.

7.3 Specific end use(s)

Industry solution

Always read the label and product information before use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

Personal protective equipment**Respiratory protection**

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If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respiratory filter (part): P3

Eye / face protection

Safety glasses (EN 166)

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

State of aggregation	
solid	
Form	
solid	
Colour	
light brown	
Odour	
yeast	
pH value	
Value	8.6
Method	CIPAC MT 75.3
Source	Manufacturer
Boiling point / boiling range	
No data available	
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
No data available	
Ignition temperature	
No data available	
Auto-ignition temperature	
Value	392 °C
Method	EEC A16
Source	Manufacturer
Oxidising properties	
not oxidizing	
Method	EEC A17
Explosive properties	

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The product does not have explosive properties.

Flammability	
not highly flammable	
Method	EEC A10
Source	Manufacturer

Lower explosion limit
No data available

Upper explosion limit
No data available

Vapour pressure
No data available

Relative vapour density
No data available

Relative density
No data available

Density
No data available

Bulk density	
Value	0.43 g/ml
Method	CIPAC MT 186
Source	Manufacturer

Solubility
No data available

Partition coefficient n-octanol/water (log value)
No data available

Kinematic viscosity
No data available

Particle characteristics
No data available

9.2 Other information

Other information
No data available.

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

The product is stable under normal storage and handling conditions.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

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Acute oral toxicity		
No	Product Name	
1	AMYLO-X WG	
LD50	>	5000 mg/kg
Species	rat	
Source	Manufacturer	
Comments	Analogous to a product with a similar composition.	

Acute dermal toxicity		
No	Product Name	
1	AMYLO-X WG	
LD50	>	5050 mg/kg
Source	Manufacturer	
Comments	Analogous to product with a similar composition.	

Acute inhalational toxicity		
No	Product Name	
1	AMYLO-X WG	
LC50	>	2.18 mg/l
State of aggregation	Dust/mist	
Species	rat	
Source	Manufacturer	
Comments	Analogous to product with a similar composition.	
Evaluation/classification	Based on available data, the classification criteria are not met (maximum achievable concentration, no mortality).	

Skin corrosion/irritation		
No	Product Name	
1	AMYLO-X WG	
Species	rabbit	
Source	Manufacturer	
Comments	Analogous to a product with a similar composition.	
Evaluation/classification	Based on available data, the classification criteria are not met.	

Serious eye damage/irritation		
No	Product Name	
1	AMYLO-X WG	
Source	Manufacturer	
Comments	Analogous to product with a similar composition.	
Evaluation	slightly irritant	
Evaluation/classification	Based on available data, the classification criteria are not met.	

Respiratory or skin sensitisation		
No data available		

Germ cell mutagenicity		
No data available		

Reproduction toxicity		
No data available		

Carcinogenicity		
No data available		

STOT - single exposure		
No data available		

STOT - repeated exposure		
No data available		

Aspiration hazard		
No data available		

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No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Product Name		
1	AMYLO-X WG		
LC50	>	8.1	x 10E10 CFU/L
Duration of exposure		30	day(s)
Species	Oncorhynchus mykiss		
Reference substance	B. amyloliquefaciens D747		
Source	Manufacturer		

Toxicity to fish (chronic)			
No	Product Name		
1	AMYLO-X WG		
NOEC		1.44	x 10 E10 CFU/L
Duration of exposure		30	day(s)
Species	Oncorhynchus mykiss		
Source	Manufacturer		

Toxicity to Daphnia (acute)			
No	Product Name		
1	AMYLO-X WG		
EC50	>	2.3	x 10 E10 CFU/L
Duration of exposure		21	day(s)
Species	Daphnia magna		
Reference substance	B. amyloliquefaciens D747		
Source	Manufacturer		

Toxicity to Daphnia (chronic)			
No	Product Name		
1	AMYLO-X WG		
NOEC		2.84	x 10 E8 CFU/L
Duration of exposure		21	day(s)
Source	Manufacturer		

Toxicity to algae (acute)			
No	Product Name		
1	AMYLO-X WG		
EbC50	>	2.3	x 10E10 CFU/L (144 mg/L)
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Reference substance	CX-9030		
Source	Manufacturer		
Comments	Analogous to product with a similar composition.		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No data available			

12.2 Persistence and degradability

Biodegradability			

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No	Product Name
1	AMYLO-X WG
Source	Manufacturer
Comments	The product is biodegradable.
Comments	The product is not persistent.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	No data available.
vPvB assessment	No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

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According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Creation of the safety data sheet

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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