

Trade name: AGREE 50 WG**Product no.:** CUSA 102 C01698 IRE**Current version :** 1.0.3, issued: 17.05.2023**Replaced version:** 1.0.2, issued: 16.05.2023**Region:** IE**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

AGREE 50 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

Insecticide

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 manufacturer / 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

+353 1 809 2166 (National Poisons Information Centre)

Carechem 24 EU: +44 1235 239670

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Skin Sens. 1; H317

Classification information

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

Classification and labelling with respect to water pollution risks are based on ecotoxicological 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 pictograms**

GHS07

Signal word

Warning

Hazard statement(s)

H317

May cause an allergic skin reaction.

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EUH401

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

Precautionary statement(s)

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P261

Avoid breathing fume/ gas/ mist/ vapours/ spray.

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352

IF ON SKIN: Wash with plenty of water.

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P363

Wash contaminated clothing before reuse.

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.

2.3 Other hazards

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a vPvB.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Chemical characterization**

Bacillus thuringiensis aizawai GC-91 50% (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**

If medical advice is needed, have product container or label at hand.

After inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

After skin contact

Take off contaminated clothing. Wash with plenty of water for at least 15 minutes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion

Rinse mouth. Call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

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 mixtureIn the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)**5.3 Advice for firefighters**

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.

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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 foodstuffs and beverages. 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.

Recommended storage temperature

Value < 40 °C

Requirements for storage rooms and vessels

Store product in closed containers.

Incompatible products

Do not store together with foodstuffs.

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**

No data available.

Personal protective equipment**Respiratory protection**

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.

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.

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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; granules				
Colour				
brown				
Odour				
slightly fishy				
pH value				
Value	6,0	-	7,0	
Reference temperature			25	°C
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
Source	Manufacturer			
Flammability				
No data available				
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				
Value	0,39	-	0,43	g/cm³
Reference temperature			20	°C
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				

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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

It is not explosive and does not exhibit oxidant properties.

10.4 Conditions to avoid

None, if handled according to intended use. Avoid exposure to moisture. Exposure to excessive heat or open flame.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity****No Product Name****1 AGREE 50 WG**

LD50	>	5050	mg/kg
Species	rat		
Source	Manufacturer		
Comments	Analogous to a product with a similar composition.		

Acute dermal toxicity**No Product Name****1 AGREE 50 WG**

LD50	>	2020	mg/kg
Species	rat		
Source	Manufacturer		
Comments	Analogous to product with a similar composition.		

Acute inhalational toxicity**No Product Name****1 AGREE 50 WG**

LC50	>	5,78	mg/m ³
Duration of exposure	4		h
State of aggregation	Dust/mist		
Species	rat		
Source	Manufacturer		
Comments	highest checkable concentration		
Comments	Analogous to product with a similar composition.		

Skin corrosion/irritation**No Product Name****1 AGREE 50 WG**

Source	Manufacturer		
Comments	Analogous to a product with a similar composition.		
Evaluation	slightly irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Serious eye damage/irritation**No Product Name****1 AGREE 50 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

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No	Product Name
1	AGREE 50 WG
Route of exposure	Skin
Species	guinea pig
Method	Magnussen/Kligmann-Test
Source	Manufacturer
Evaluation/classification	Based on available data, the classification criteria are met.
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	

11.2 Information on other hazards**Endocrine disrupting properties**

No data available.

Other information

No data available.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)			
No	Product Name		
1	AGREE 50 WG		
LC50	>	3,9	x 10E7 cfu/ml; oral (aqueous)
Duration of exposure		32	day(s)
Species	Oncorhynchus mykiss		
Reference substance	CGA-237218 Technical (GC-91)		
Source	Manufacturer		
LC50	>	1,5	x 10E10 cfu/g
Duration of exposure		32	day(s)
Species	Oncorhynchus mykiss		
Reference substance	CGA-237218 Technical (GC-91)		
Source	Manufacturer		
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No	Product Name		
1	AGREE 50 WG		
LC50	>	100	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	Manufacturer		
Toxicity to Daphnia (chronic)			
No data available			
Toxicity to algae (acute)			
No data available			
Toxicity to algae (chronic)			
No data available			
Bacteria toxicity			
No data available			

12.2 Persistence and degradability

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Biodegradability	
No	Product Name
1	AGREE 50 WG
Source Comments	Manufacturer Bta is not pathogenic and does not reproduce in living organisms other than target Lepidopteran larvae.

Abiotic Degradation	
No	Product Name
1	AGREE 50 WG
Source Comments	Manufacturer Bacillus thuringiensis subspecies aizawai (Bta) bacteria are rapidly degraded by UV light and the activities of other micro-organisms.

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)	
No	Product Name
1	AGREE 50 WG
Source Comments	Manufacturer Bta is not pathogenic and does not reproduce in living organisms other than target Lepidopteran larvae.

12.4 Mobility in soil

Mobility in soil	
No	Product Name
1	AGREE 50 WG
Comments	Bta has a high capacity to adsorb to the clay fractions in soils and shows no evidence of leaching.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The components of this product are not considered to be a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

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.

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Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

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

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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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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