

Trade name: APPLAUD 25 SC**Product no.:** NO 013 C0080/UK**Current version :** 4.0.6, issued: 15.08.2023**Replaced version:** 4.0.5, issued: 28.06.2023**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****APPLAUD 25 SC****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 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 in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 2; H411

Classification information

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

Classification and labelling is due to approval of the competent national authority.

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**

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GHS09

Signal word

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Hazard statement(s)

H411 Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

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

Precautionary statement(s)

P273 Avoid release to the environment.

P391 Collect spillage.

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**

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

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

Not applicable. The product is not a substance.

3.2 Mixtures**Chemical characterization**

Buprofezin 250 g/l (SC)

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	Buprofezin		
	953030-84-7	Aquatic Acute 1; H400	≥ 10.00 - < 25.00 wt%
	-	Aquatic Chronic 1; H410	
	-		
2	Residues, petroleum, catalytic reformer fractionator, sulfonated, polymers with formaldehyde, sodium salts		
	68425-94-5	Eye Irrit. 2; H319	< 5.00 wt%
	-	Skin Irrit. 2; H315	
	-	Aquatic Chronic 3; H412	
3	1,2-benzisothiazol-3(2H)-one		
	2634-33-5	Acute Tox. 4*; H302	< 0.10 wt%
	220-120-9	Aquatic Acute 1; H400	
	613-088-00-6	Eye Dam. 1; H318	
	01-2120761540-60	Skin Irrit. 2; H315 Skin Sens. 1; H317	

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(*, **, ***, ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

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No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	-	M = 1	M = 10
3	-	Skin Sens. 1; H317: C >= 0.05%	-	-

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. If skin irritation 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

Alcohol-resistant foam; Carbon dioxide; Extinguishing powder; Water spray jet

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); Nitrogen oxides (NO_x); Metal oxides

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. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. 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

Personal protective equipment - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge uncontrolled into the subsoil/soil. Notify the authorities if product enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

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Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). When collected, handle material as described under the section heading "Disposal considerations".

6.4 Reference to other sections

Information regarding waste disposal, see section 13. Information regarding personal protective measures, see section 8. Information regarding safe handling, see section 7.

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. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Keep away from food, drinks and animal feeding stuffs. Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Remove soiled or soaked clothing immediately. Do not inhale vapours.

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. Keep from freezing. Protect from heat and direct sunlight.

Storage stability

Value 2 year(s)

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

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

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 aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Respirator AP-2

Eye / face protection

Safety glasses (EN 166)

Hand protection

In case of intensive contact, wear protective gloves (EN 374). 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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Chemical-resistant work clothes. Rubber boots. (EN 13832-3/EN ISO 20345)

Environmental exposure controls

No data available.

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

State of aggregation	
liquid	
Form	
liquid	
Colour	
whitish	
Odour	
non specific	
pH value	
Value	7.52
Concentration	1 % (water)
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	
Source	Manufacturer
Value	°C
Ignition temperature	
No data available	
Auto-ignition temperature	
Value	495 °C
Source	Manufacturer
Oxidising properties	
not oxidizing	
Explosive properties	
The product does not have explosive properties.	
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	

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Relative density	
No data available	

Density	
Value	1.06 - 1.08 g/cm ³
Reference temperature	20 °C
Source	Manufacturer

Solubility	
No data available	

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
log Pow			4,93
Source	Manufacturer		

Kinematic viscosity	
Value	21 - 38 mPa*s
Type	kinematic
Source	Manufacturer

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

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Combustion or thermal decomposition may generate toxic vapours.

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	APPLAUD 25 SC		
LD50		> 2000	mg/kg
Species	rat		
Source	Manufacturer		

Acute dermal toxicity			
No	Product Name		
1	APPLAUD 25 SC		
LD50		> 2000	mg/kg

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Species	rat
Source	Manufacturer

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
LC50	>	4.57	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Source	Manufacturer		

Skin corrosion/irritation	
No	Product Name
1	APPLAUD 25 SC
Species	rabbit
Source	Manufacturer
Evaluation	non-irritant

Serious eye damage/irritation	
No	Product Name
1	APPLAUD 25 SC
Species	rabbit
Source	Manufacturer
Evaluation	low-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation	
No	Product Name
1	APPLAUD 25 SC
Route of exposure	Skin
Source	Manufacturer
Evaluation	non-sensitizing

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
Type of examination	Genotoxicity in vitro		
Species	bacteria		
Method	OECD 471		
Source	Manufacturer		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
Species	rat		
Source	Manufacturer		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
Duration of exposure		2	year(s)
Species	rat		
Source	Manufacturer		
Evaluation/classification	Based on available data, the classification criteria are not met.		

STOT - single exposure	
No data available	

STOT - repeated exposure	
No data available	

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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	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
LC50	>	0.5	mg/l
Duration of exposure		96	h
Species	Cyprinodon variegatus		
Method	EPA OPP 72-3		
Source	Manufacturer		
LC50	>	0.33	mg/l
Duration of exposure		96	h
Species	Lepomis macrochirus		
Method	EPA OPP 72-1		
Source	Manufacturer		

Toxicity to fish (chronic)			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
NOEC		0.0058	mg/l
Duration of exposure		108	day(s)
Species	Cyprinodon variegatus		
Method	EPA OPPTS 850.1500		
Source	Manufacturer		

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
EC50		0.8	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	Manufacturer		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
NOEC		0.08	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
Method	OECD 202		
Source	Manufacturer		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
ErC50	>	0.4	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	EPA OPP 122-2		
Source	Manufacturer		

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Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
NOEC		0.4	mg/l
Duration of exposure		72	h
Species		Pseudokirchneriella subcapitata	
Method		EPA OPP 122-2	
Source		Manufacturer	

Bacteria toxicity	
No data available	

12.2 Persistence and degradability

Abiotic Degradation			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
Type		Hydrolysis	
Half-life		51	day(s)
pH value		5	
Source		Manufacturer	
Type		Hydrolysis	
Half-life		378	day(s)
pH value		7	
Source		Manufacturer	
Type		Photolysis	
Half-life		33	day(s)
Reference temperature with reference to		16-31	°C
Source		natural sunlight Manufacturer	

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
BCF		464	
Source		Manufacturer	

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	Buprofezin	953030-84-7	-
log Pow		4,93	
Source		Manufacturer	

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

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Do not discharge product unmonitored into the environment.

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**

Class	9
Classification code	M6
Packing group	III
Hazard identification no.	90
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	Buprofezin
Tunnel restriction code	-
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical name	Buprofezin
EmS	F-A, S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class	9
Packing group	III
UN number	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Technical name	Buprofezin
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

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

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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

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	75

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

This product is subject to Part I of Annex I, risk category: E2

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

Regulation (EC) No 1107/2009 concerning the placing of plant protection products on the market

Regulation (EU) No 547/2011 implementing Regulation (EC) No 1107/2009 as regards labelling requirements for plant protection products

Annex III

SP1 Do not pollute water with this product or its container.

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.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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.

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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