
1. Substance / preparation and company name**Applaud****Use of the Substance/ Preparation**

Insecticide

Company identification

Certis

1b Mills Way, Boscombe Down Business Park, Amesbury, Wiltshire. SP4 7RX

Telephone: 01980 676500 Fax: 01980 626555

Emergency contacts:

For advice on medical emergencies, fires, spillages or chemical hazards ONLY – phone 0870 190 6777.

For further advice for medical professionals - The National Poisons Information Service: Tel: 0870 600 6266 (UK only) or Dublin Tel: 00353 1379 964/379966.

For further advice for veterinary surgeons: 020 7635 9195

2. Composition / information on ingredients

Chemical name	Concentration	CAS	Symbol	R-phrases
Buprofezin	250 g/l	69327-76-0	Xi, N	R36, R50/53
Sulfonated aromatic polymer sodium salt	>1-<5%		Xi	R36/38
Bentonite (natural clay)	>1-<5%	1302-78-9	Xi	R36/37/38

3. Possible hazards

Irritating to eyes.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First aid measures**Eye contact:** Flush eyes with plenty of water at least 15 minutes. If irritation persists, get medical attention.**Skin contact:** Remove contaminated clothing. Wash with large quantities of water and soap. Contaminated clothing should be laundered before re-use.**Ingestion:** If swallowed, rinse mouth with water, and give one or two glasses of water to drink. Keep patient at rest and obtain immediate medical aid. Do not induce vomiting.**Inhalation:** Remove individual to fresh air. Contact medical personnel if ill effect occur.

5. Fire fighting measures**Suitable extinguishing media:** Water spray, foam, dry chemical powder, carbon dioxide**Specific hazards during fire fighting:** Combustion or thermal decomposition may evolve toxic vapors. (CO, CO₂, NO_x, etc.)**Special protective equipment for fire-fighters:** Firefighters should wear proper protective equipment.**Further information:** Avoid extinguishing media such as water, foam, and dry chemicals to flow into ponds, rivers and lakes.

6. Accidental release measures**Personal precautions:** Wear suitable protective clothing, gloves and eye/face protection.**Environmental precaution:** Evacuate non-essential personnel. Prevent spills from entering sewers, watercourse or low areas. Washings should not be poured into drains or waterway.

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Methods for cleaning up: Absorb spillage onto sand, soil or any suitable absorbent material. Transfer to a container for disposal. Wash the spillage area with water.

7. Handling and storage

Handling

Advice on safe handling: Use with adequate ventilation. Avoid contact with skin and eyes. Do not breathe mist or vapour. Wash face and hands thoroughly with soap and water after handling. When using do not eat, drink or smoke.

Storage

Requirements for storage areas and containers: Avoid direct sunlight. Store in a cool, dry and well-ventilated place. Keep in original containers, tightly closed.

Advice on common storage: Keep away from food, drink and animal feeding stuffs and out of reach of children. Keep locked up.

8. Exposure controls / personal protection

Exposure limits values

Buprofezin: 2mg/m³ (JAPAN SOCIETY FOR OCCUPATIONAL HEALTH)

Exposure control

Engineering controls: If practical, use with local exhaust ventilation or adequate ventilation systems. Make available in the work area emergency shower and eyewash.

Personal protective equipment

Respiratory protection: Avoid breathing mist or vapour. Use approved respiratory protection equipment when airborne exposure limits are exceeded.

Eye protection: Wear chemical safety goggles.

Skin protection: Wear suitable protective clothing and gloves to prevent skin contact. Wash contaminated skin promptly.

9. Physical and chemical properties

Appearance:	Whitish liquid
Odour:	Not available
Bulk density:	1.07g/ml (20°C)
pH:	8 (1% water suspension)
Flash point:	Not applicable

10. Stability and reactivity

Chemical stability: This product is stable for at least 2 years when stored in the unopened sales container under normal warehouse conditions.

Incompatibility with other materials: Not known

Hazardous decomposition products: Combustion or thermal decomposition will evolve toxic and irritant vapours.

Hazardous polymerization: Not known

11. Toxicological information

Acute toxicity

Oral:	Rat LD50(mg/kg):	male, female >2,000
Dermal:	Rat LD50(mg/kg):	male, female >2,000
Inhalation:	Unlikely to cause harmful effects under normal conditions of handling and use.	
Eye contact:	Rabbit:	Slightly irritating
Skin contact:	Rabbit:	None irritating
Sensitization:	Guinea pig:	Negative

12. Ecological information

Persistence and degradability (Buprofezin technical)

Hydrolysis: half life 51days/pH5, 378days/pH7

Photolysis: half life 33days in distilled water (16~31°C, natural sunlight)

Aquatic organism toxicity

Rainbow trout LC50 (96h) >630mg/L (25SC)

Blugill sunfish LC50 (96h) >0.33mg/L (Buprofezin technical)

Daphnia EC50 (48h) >0.42mg/L (Buprofezin technical)

Algae EbC50 (72h) 49mg/L (Buprofezin technical)

13. Disposal considerations

Product: Product should be disposed according to label instruction and / or local regulation. Do not dump into sewers, on the ground or into any body of water. Repealing liquid containing buprofezin should be avoided to flow into river, pond and lake.

Contaminated packaging: Dispose used container according to the local regulation.

14. Transport information

ADR: Not regulated for transport.

RID: Not regulated for transport.

IMDG: Not regulated for transport.

ICAO/ IATA: Not regulated for transport.

15. Regulatory information

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP3

Hazard symbols: Xi Irritant

Risk phrases: R36 Irritating to eyes

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrases: S2 Keep out of reach of children

S13 Keep away from food, drink and animal feeding stuffs

S20/21 When using do not eat, drink or smoke

S24/25 Avoid contact with skin and eyes

S35 This material and its container must be disposed of in a safe way.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S46 If swallowed, seek medical advice immediately and show this container or label

S57 Use appropriate containment to avoid environmental contamination

Please refer to any other EU, national or local measures.

16. Other information

Text of R phrases mentioned in Section 2

R36: Irritating to eyes

R36/38: Irritating to eyes and skin.

R36/37/38: Irritating to eyes, respiratory system and skin.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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