

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

Horticultural 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
acetamiprid	20	135410-20-7	Xn	R20, R52/53

3. Possible hazardsHarmful if swallowed.

4. First aid measures**Eye contact:** Immediately flush eyes with plenty of (warm) water for at least 5 minutes. Get medical advice if irritant persists.**Skin contact:** Wash skin with soap and plenty of water.**Inhalation:** Immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.**Ingestion:** Call a physician.

5. Fire fighting measures**Suitable extinguishing media:** Dry chemicals, carbon dioxide, alcohol foam, or water spray.**Unsuitable extinguishing media:** Not known.**Unusual fire and explosion hazards:** Thermal decomposition or combustion may produce harmful and irritant gas/fumes such as carbon monoxide (CO), nitrogen oxides (Nox), hydrogen chloride and organic compounds.**Protective equipment:** Wear appropriate protective clothing with self-contained breathing apparatus.**Other information:** Move containers away from fire areas if it can be done without risk. If impossible, cool them with water spray.

6. Accidental release measures**Personal protection:** Refer to Section 8 for personal protective equipment.**Personal precautions:** Avoid raising dust.**Environmental precautions:** This product may be harmful. Avoid releasing it to river, lake, sea, etc.**Methods for cleaning up:** Sweep up, place in a closed container and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site with soap and plenty of water after material pickup is complete. Obey national and local regulations

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7. Handling and storage

Handling: Refer to Section 8 for personal protective equipment. Handle as an organic dust. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid excessive dust formation. Use only in a well ventilated area, or chemical fume hood. Wash thoroughly after handling.

Storage: Keep in container, tightly closed. Store in a cool dry place. Keep out of reach of children. Protect from direct contact with water or excessive moisture.

8. Exposure controls / personal protection**Exposure limit values**

Not listed

Exposure controls

Respiratory protection: Appropriate respirator for dust.

Hand protection: Glove (e.g. outside - rubber; inside - cotton).

Eye protection: Wear safety goggles.

Skin protection: Wear suitable working clothes, hand protection and boots.

Environmental exposure controls: Use general and/or local exhaust ventilation to control dust. Prevent from entering into drains, ditches or rivers.

9. Physical and chemical properties

Appearance:	Light blue powder
Odour:	Odourless
pH:	8.5-8.6 (1% solution)
Boiling point:	Not applicable
Flash point:	Not applicable
Flammability:	Not applicable
Vapour pressure:	Not applicable
Relative density:	0.8 g/ml (bulk density)
Specific gravity:	Not applicable
Solubility in water:	Soluble
Partition coefficient n-Octanol/H ₂ O :	0.79 (as active ingredient)
Surface tension :	Not applicable
Particle size distribution :	D90: 17.6µm, D50 : 8.0µm
Vapour density (air=1) :	Not applicable
Evaporation rate (Butyl Acetate = 1):	Not applicable
Melting point:	Not applicable
Auto flammability:	None

10. Stability and reactivity

Conditions to avoid: High temperature.

Materials to avoid: Oxidizing agents, strong acids and bases.

Hazardous decomposition products: Carbon monoxide (CO), nitrogen oxides, hydrogen chloride, organic compounds such as aromatic compounds.

11. Toxicological information

Acute oral toxicity:	LD50 (Rat):	1000-2000 mg/kg (male); 1065 mg/kg (female)
Acute dermal toxicity:	LD50 (Rat):	>2000 mg/kg (male)
Acute inhalation toxicity:	LC50 (Rat):	>3.5 mg/l (4 hrs)
Subacute toxicity (as active ingredient) :	90 days repeated dose toxicity test	
	NOEL (rat):	12.4 mg/kg/day (male; 14.6 mg/kg/day (female)
Skin irritation:	Rabbit:	Negative
Eye irritation:	Rabbit:	Negative
Skin sensitisation:	Guinea pig:	Negative
Mutagenicity (as active ingredient):		
Ames test:		Negative
Chromosomal Aberration test (CHL):		Positive
Micro nucleus test (mouse):		Negative
UDS study:		Negative
Carcinogenicity (as active ingredient):		Negative

12. Ecological information

Acute toxicity fish:	LC50 (Carp):	>100 mg/l (96h)
Acute toxicity daphnia:	EC50 (<i>Daphnia magna</i>):	>100 mg/l (48h)
Acute toxicity algae:	EC50 (<i>Scenedesmus subspicatus</i>):	>97.8 mg/l (72h)

Persistence and biodegradability (active ingredient):

Bio-degradation: not readily degradable

Degradation in soil: readily degradable

Bio-accumulative potential: No data is available, but the active ingredient is estimated to be low bio-accumulative because of low partition coefficient.

13. Disposal considerations

Dispose of in accordance with local regulations.

14. Transport information

ADR/RID: Not hazardous for transport.

IMDG: Not hazardous for transport.

ICAO/IATA: Not hazardous for transport

15. Regulatory information

Labelling according to 67/548/EEC Directives

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

Hazard symbol: Harmful
Risk phrases: R22 Harmful if swallowed
Safety phrases: S2 Keep out of the reach of children
S13 Keep away from food, drink and animal feeding stuffs
S22 Do not breathe dust
S36/37 Wear suitable protective clothing and gloves
S46 If swallowed, seek medical advice immediately and show this container or label

Classification according to specific UK Regulations

The labelling information below is that which has been approved under 'The Control of Pesticides Regulations 1986' and/or 'Part III of the Food and Environment Protection Act 1985' and/or 'Plant Protection Product Regulations 1999' and any subsequent amendments and may differ from that indicated by any toxicological and/or other testing otherwise indicated in this 'Safety Data Sheet'.

Hazard symbol: None
Risk phrases: R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Safety phrases: S35 This material and its container must be disposed of in a safe way.
S57 Use appropriate containment to avoid environmental contamination.

16. Other information

Text of R phrases mentioned in Section 2

R20 Harmful by inhalation.

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

Prepared 24.05.2006

Revision 1: 12.04.2007: Sections 4, 9, 11, 12, 13

Revision 2: 07.08.2007: Section 1, 15

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