

MSDS Material Safety Data Sheet

CAS 69327-76-0
1302-78-9

File Name : clydesidetradingsociety_co_uk---applaud_msds.asp

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1. Substance / preparation and company name
SPE CHEMICALS CO., LTD

Applaud

Use of the Substance/ Preparation

Insecticide

Company identification

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

Telephone: 01980 676500 Fax: 01980 626555

2. Composition / information on ingredients

Chemical name R-phrases	Concentration	CAS	Symbol	
Buprofezin R50/53	250 g/l	69327-76-0	Xi, N	R36,
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 flow into pond, river and lake.

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.

Methods for cleaning up: Adsorb spillage onto sand, soil or any suitable adsorbent material. Transfer to a

container for disposal. Wash the spillage area with water.

7. Handling and storage

Handling

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Advice on safe handling: Use with adequate ventilation. Avoid contact with skin and eyes.

Do not breath mist or vapor. 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 vapor. 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 vapors.

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)

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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

Not classified as hazardous 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

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.

Revised: 31.03.2005

Disclaimer

The above information is intended to give general health and safety guidance on the storage and transport of

the substance or product to which it relates. It is not intended to apply to the use of the substance or product

for which purposes the substance or product label and any appropriate technical usage literature available

should be consulted and any relevant licences, consents or approvals complied with. The requirements or

recommendations of any relevant site or working procedure, system or policy in force or arising from any risk

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assessment involving the substance or product should take precedence over any of the guidance contained in

this safety data sheet where there is a difference in the information given. The information provided in this

safety data sheet is accurate at the date of publication and will be updated as and when appropriate. No

liability will be accepted for any injury loss or damage resulting from any failure to take account of information or

advice contained in this safety data sheet.
