

Product Safety Data Sheet

CYPAZOL 20 EC

PYRETHROID INSECTICIDE EMULSIFIABLE CONCENTRATE

Revision: May 2012

1. Identification of the substance, its preparation, and the supplying company.

Product Name : Cypazol 20 EC
 Intended Use : Insecticide for the control of crawling and (resting) flying insects
 Manufacture : Tapazol Ltd.
 Telephone & Fax : 972-2-9926040--- 972-2-9926050

2) Composition and information on the ingredients.

Composition : 20 % w/v cypermethrin as an emulsifiable concentrate

Common Name	Classification	CAS No.	Symbol	% w/w (w/v)
Cypermethrin	pyrethroid	052315-07-8	T	20.0
Organic solvent			F	50-70

3) Hazards Identification

Hazard Classification for supply and use - HARMFUL & FLAMMABLE

Health Hazards: May cause tingling or numbness in exposed areas (paraesthesia)

Flammable

Very toxic to fish and aquatic life



4) First Aid Measures

Ingestion : If swallowed, take the victim to a doctor immediately and show him this information. Do not induce vomiting.

Skin Contact : Remove contaminated clothing. Wash exposed areas of skin immediately with water and as soon as possible with soap and water. Contaminated clothing should be washed and dried before re-issue.

Eye Contact : Hold eye(s) open and then irrigate with copious amounts of warm water for at least 10 minutes. Obtain medical advice immediately.

Inhalation : Unlikely to present an inhalation hazard under normal conditions of use.. Obtain medical advice immediately as a precaution.

Further Medical treatment:

Gastric lavage may be effective when performed within 4 hours of ingestion.

Aspiration of this material into the lungs should be avoided.

Symptomatic treatment and supportive therapy as indicated.

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5) Fire Fighting Measures.

Flammable

Keep fire exposed container cool by spraying with water.

Self-contained breathing apparatus should be worn by fire-fighting personnel. Avoid run-off into water courses and contain run-off with temporary earth barriers or with other chemical sorptives.

Extinguishing Media : Do not use water-jets to extinguish fires or disperse spilt product, use carbon dioxide, dry powder, halon extinguishant, alcohol foam or water fog.

6) Accidental release measures.

Suitable protective clothing should be worn during removal of spills. Eye protection, chemically resistant gloves, boots and coveralls should be worn. Respiratory protection equipment should be used to provide protection against toxic fumes. Spillages should be absorbed with moist sand, soil or sawdust, and then transferred to a suitable container for disposal. Wash the contaminated area with water, or detergent and water, taking care to prevent the washings from entering surface water drains. Spillages or uncontrolled discharges into water courses must be notified to the appropriate Regulatory Authority or to the National River Authority.

7) Handling and Storage

Handling : Product must be handled in a safe manner. Read the label before use, wear the recommended personal protective clothing and avoid contact with skin or eyes. Do not smoke drink or eat whilst using the product. Wash hands and face before eating, drinking or smoking.

Storage : Store in original container under cool and dry conditions in a secure (lockable), well ventilated place, inaccessible to children and away from foodstuffs, and animal feedstuffs.

Physically and chemically stable for at least two years when stored un-opened at ambient temperatures in the original sales packs.

8) Exposure controls and personal protection

When using this product refer to the label for details.

Occupational Exposure Limit

	Long-term Exposure Limit (8 hr TWA reference period)		Short-term exposure Limit (15 minute reference period)	
	ppm	mg m ⁻³	ppm	mg m ⁻³
cypermethrin		0.5		

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9) Physical and Chemical properties

Form	:	Liquid
Colour	:	Straw coloured to light brown
Odour	:	Aromatic
pH	:	Not available
B.Pt (Deg. C)	:	Not available
M. Pt. (Deg. C)	:	Not available
Auto Ignition Temp (Deg. C)	:	Not available
Explosive Properties	:	Not applicable
Oxidising Properties	:	Not applicable
Vapour Pressure (mm Hg)	:	Not available
Solubility (Water)	:	Miscible with water
Partition coefficient	:	Not applicable
Specific Gravity	:	0.96 - 0.98 @ 20 ° C
Flash Point	:	> 38 ° C

10) Stability and Reactivity

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

11) Toxicological Information

This health hazard assessment is based on the technical grade material, or other extrapolated data.

Ingestion : Oral Median Lethal Dose for the technical material is c. 250 in corn oil, calculated MLD for this product is therefore c. 1000 mg/kg (rat). Studies on similar products have indicated an MLD of >700 mg/kg (rat).

Skin Contact : Dermal Median Lethal Dose (calculated) > 2000 mg/kg (rat)
Cypazol 20 EC is a skin irritant. Cypazol 20 EC may cause skin sensitisation.

Eye Contact : Cypazol 20 EC is a severe eye irritant

Inhalation : Unlikely to cause harmful effects under normal conditions of handling and use.

12) Ecological Information

Toxicity : VERY TOXIC to fish and other aquatic wildlife.

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13) Disposal Considerations

Product : Do not contaminate ponds, waterways or ditches with product or empty packs.
 Pack : Dispose of product and empty packs according to Local Authority and National requirements.

14) Transport Information

UN No. : 1993
 UN Pack. Group : III
 ICAO/IATA Class : 3
 -primary : flammable liquid
 SEA
 IMDG Class, primary : 3, flammable liquid
 Marine Pollutant : Classified as a Marine Pollutant
 Proper Shipping Name : FLAMMABLE LIQUID, N.O.S. (contains substituted benzenoid hydrocarbons and cypermethrin 20 % w/v)
 ROAD/RAIL :
 ADR/RID Class : 3
 ADR/RID Item No. : 31 (b)

15) Regulatory Information

This substance is covered by the EEC Dangerous Substances Directive (CPL Regulations). It has therefore been labelled in accordance with these regulations.

EEC Classification : HARMFUL & FLAMMABLE
 Hazard Symbol : Xn
 Safety Phrases : R22 Harmful if swallowed
 R41 Risk of serious damage to eyes
 R38 Irritating to skin.
 R52 Harmful to aquatic organisms.
 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.
 S25 Avoid contact with eyes
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S44 If you feel unwell, seek medical advice. Show this information or the product label.
 S37/39 Wear suitable gloves and eye/face protection.

16) If you require any further information please contact Tapazol Ltd.

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