

Material Safety Data Sheet

CYLOFLY 20

PYRETHROID INSECTICIDE EMULSIFIABLE CONCENTRATE

1. Identification of the substance and company

Product Name: CYLOFLY 20
 Product code: C20EC
 Intended Use: Insecticide for the control of flying insects.
 Manufacturer: TAPAZOL CHEMICAL WORKS LTD.
 Telephone & Fax:: 972-02-9926040 Fax: 972-02-9926050

2. Composition and information on the ingredients.

Composition: 20% w/v Cyhalothrin as an Emulsifiable concentrate

Common name	Class	CAS No.	Symbol	% w/w (w/v)
Cyhalothrin	pyrethroid	68085-85-8	T	20.0
Kerosene		8008-20-6 or 64742-81-		40-60
Xylenes		1330-20-7		5-15

3. Hazards Identification

Hazard Classification for supply and use – HARMFUL & FLAMMABLE

Health Hazards: May cause tingling or numbness in exposed areas.

May cause severe eye irritation. May cause skin irritation.

Very toxic to fish and aquatic life.



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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 before re-use.

Eye Contact: Hold eye(s) open and then irrigate with copious amounts of 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 as 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.

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 adsorptives

Extinguishing Media: Do not use water-jets to extinguish fires. Use carbon dioxide, dry powder, halon extinguisher, 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. 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 washing water from entering water drains.

Spillages or uncontrolled discharges into water-courses must be notified to the appropriate Regulatory 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 or 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), 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 pack.

8. Exposure controls and personal protection

Occupational Exposure Limit

Cyhalothrin	TLV: not established			
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Personal protection equipment

Use rubber gloves, full piece mask covering eyes and mouth and impervious clothes.

9. Physical and chemical properties

Form	:	Liquid
Colour	:	Straw colored to light brown
Odour	:	Aromatic
Solubility (Water)	:	Miscible with water
Specific Gravity	:	0.96-0.98 @ 20 ⁰ c
Flash Point	:	>38 ⁰ c

10. Stability and Reactivity

Hazardous Decomposition: Combustion or Thermal decomposition will evolve toxic gases such as CO, CO₂, etc.

11. Toxicological Information

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

Ingestion: Calculated LD₅₀ for this product is c. 1000 mg/kg(rat). Studies on similar product have indicated an LD₅₀ of >700 mg/kg (rat).

Skin Contact: Dermal LD₅₀ (calculated) >2000 mg/kg (rat).

Cylofly 20 EC is a **skin irritant**.

Cylofly 20 EC may cause **skin sensitization**.

Eye Contact: Cylofly 20 EC is a severe eye irritant.

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

12. Ecological Information

Very toxic to fish and other aquatic wildlife.

Toxic to bees.



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13. Disposal Considerations

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

14. Transport Information

UN No.	:	1993
UN Pack Group	:	III
ICAO/IATA Class primary	:	3 FLAMMABLE LIQUID
SEA IMDG Class, primary	:	3.3 FLAMMABLE LIQUIDS
Marine Pollutant	:	Classified as a Marine Pollutant
Proper Shipping Name	:	FLAMMABLE LIQUIDS, N.O.S. (contains substituted benzenoid hydrocarbons)
ROAD/RAIL		
ADR/RID Class	:	3
ADR/RID Item No.	:	3

15. Regulatory Information

EEC Classification:	FLAMMABLE
Hazard Symbol:	Xn
Risk/Safety Phrases	:
R10	Flammable
R22	Harmful if swallowed
R41	Risk of serious damage to eyes
R38	irritating to skin
R52	Harmful to aquatic organisms.



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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.
S37/39	Wear suitable gloves and eye/face protection.

16. If you require any further information please contact TAPAZOL
CHEMICAL WORKS.

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