



GORICH
TECHNOLOGY
LIMITED

Lambda 2.5 CS

「利達」2.5%微膠囊劑

NW^{tech}

MATERIAL SAFETY DATA SHEET

1. Product: Lambda 2.5 CS

2. Registration No: 2P199 (CS). Agriculture, Fisheries and Conservation Department. Hong Kong.

3. Manufacturer

Jiangsu Yangnong Chemical Co., Ltd

4. Emergency Contact

Gorich Technology Limited
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5. Description

Product Description : A pyrethroid insecticide.
An aqueous suspension of microcapsules.
Hazardous Ingredients: Lambda-cyhalothrin
Solvent naphtha (petroleum)

	<u>Lambda-cyhalothrin</u>	<u>Solvent naphtha (petroleum)</u>
CAS-No	: 91465-08-6	64742-95-6
Hazard symbols	: T+, N	Xn, N
Risk Phrases	: R26-R25-R21-R50	R10-R37-R51/R53-R65
Concentration	: 25g/l (w/v)	

6. Hazardous Identification

May cause irritation to skin and eyes.
May cause tingling/numbness in exposed areas (paraesthesia).
Very toxic to aquatic organisms.

7. Fire Fighting Measures

Keep fire exposed containers cool by spraying with water.
Extinguishing media : For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.
Protective equipment: A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

8. Accidental Release Measures

Personal Precaution: Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and coveralls.
Clean up methods: Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.
Remark: Spillage or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

9. First Aid Measures

Seek medical advice (show the label where possible)

Eye : Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

Skin : Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimize contact with skin. Contaminated clothing should be laundered before re-issue.

Inhalation : Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.

Ingestion : If swallowed seek medical advice immediately and show the container, label or this Data Sheet, if possible. Do not induce vomiting.

Medical advice : If the amount of chemical is judged to be less than a lethal dose, observe the patient and treat symptomatically. If gastric lavage is considered necessarily, prevent aspiration of gastric material. Consider administration of activated charcoal and a laxative.

10. Physical and Chemical Properties

Form	: suspension of microcapsules
Colour	: off-white
Odours	: mildly phenolic
Boiling Point	: Not available.
Melting Point	: Not available.
Flash Point	: Do not flash
Autoignition temp.	: Not available.
Explosive properties	: Not applicable
Vapour pressure	: Not available.
Density	: 1.03 at 20°C
Solubility	: miscible in / with water
pH – value (quant.)	: 7 – 8.5
Partition coeff.	: Not available.
Viscosity	: 4 -7 mPas Method : (Cassion)
Oxidizing properties	: Not applicable

11. Exposure Controls / Personal Protection

Personal Protection : When using this product refer to the Occupational exposure limits label for details.
Hazardous ingredient : Lambda-cyhalothrin
8 hr TWA 0.04mg/m³
SK : Can be absorbed through skin.
Hazardous ingredient : Mixed hydrocarbon solvents OES/HSE
8 hr TWA 200mg/m³
(Manufacturer / Supplier's Calculation)
Remark : Not applicable to field use.

12. Stability and Reactivity

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



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13. Handling and Storage

Handling : Read the label before use.
Safe handling advice: Avoid contact with skin and eyes. Do not breathe spray. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
Save storage life : Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs.

14. Disposal Consideration

Do not contaminate ponds, waterways or ditches with chemical or used containers. Surplus material must be disposal of as detailed in the 'Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm' GCPF, 1987. Empty containers should be washed and discarded. Empty containers should not be used for other purposes.
Disposal should be accordance with local, state or national legislation.

15. Toxicological Information

Acute toxicity (Lethal Doses)

This health hazard assessment is based on information available on similar formulations.

Oral Median Lethal Dose rate : (calculated) > 5000 mg/kg
Dermal Median Lethal Dose rate: (calculated) > 4000 mg/kg
Inhalation : Unlikely to cause harmful effects under normal conditions of handling and use.

In humans may cause tingling or numbness in exposed areas (paraesthesia). The effect may result from splash, aerosol or transfer to the face from contaminated gloves and hands. This effect is transient, lasting up to 24 hours.

Acute toxicity (Irritation, sensitization etc.)

Eye irritation : May cause mild eye irritation.
Skin irritation : May cause skin irritation.
Skin Sensitization : May cause skin sensitization.

Chronic toxicological effects

Long Term Exposure : No long term risks to man are associated with the normal handling and use of this material.

16. Ecological Information

Ecotoxicity : This ecological assessment is calculated from data available on the components of the formulation.

Toxicity to fish : LC₅₀ 96hours rainbow trout (approx. 0.02mg/l)

Remark : Very toxic to aquatic organisms.
(Not necessarily identical to the EC classification risk phrases).

17. Transport Information

Road transport ADR / RID

UN No. : UN3802
Class-primary : 9 Miscellaneous Dangerous Goods.
Number / letter : II / (c)
Proper shipping name : 3082 environmentally hazardous substance, liquid, N.O.S., lambda – cyhalothrin and substituted benzenoid hydrocarbons mixture.

Maritime transport IMDG

UN No. : UN3082
Class-primary : 9 Miscellaneous Dangerous Goods.
UN Pack. Group : III
Proper shipping name : Environmentally Hazardous Substance, Liquid, N.O.S., (contains lambda-cyhalothrin 2.5% and substituted benzenoid hydrocarbons)

Marine pollutant : Yes

Air transport ICAO / IATA : Not applicable

18. Regulatory Information

Classification : Not Classified as Dangerous for Supply / Use
Special label : (S053) Do not re-use container, keep lightly closed in a safe place.
(S054) See instructions for use supplied separately.
(D01) Wash substances from skin or eyes immediately.

19. Other Information

Read the label before you buy : use pesticides safely.

This data sheet was prepared in accordance with Directive 91/155/EC (93/112/EC).

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed.