



CHEMET WETS & FLOWS P. LTD.

AN ISO 9001:2008; ISO 14001:2004; OHSAS 18001:2007 CERTIFIED COMPANY

G-12 Hemkoot Building, B/H LIC Office, Opp. B.M. Institute of Mental Health, Ashram Road, Ahmedabad-380009. Gujarat. INDIA.

Phone : 079-26586091, Fax : 079-26587111 Email : info@chemet.in Website : www.chemet.in

PRODUCT SAFETY DATA SHEET OF LAMBDA CYHALOTHRINE 10% WP

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name	NCON 10 WP
Technical Name	LAMBDA CYHALOTHRIN 10 % WP
Chemical name	Lambda-cyhalothrin (ISO); (A reaction product comprising equal quantities of(S)- α -cyano-3-phenoxybenzyl (Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and(R)- α -cyano-3-phenoxybenzyl (Z)-(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate)
Uses	Insecticide
Supplier	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwer 393002 Tel: 91-2646 239490
Manufacturer	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwer 393002 Tel: 91-2646 239490
Emergency Phone No.	02646-239490
Fax No	02646-220254
Environmental, Health and Safety Department	02646-239490 02646-220254
Email id	chemetank@gmail.com

2.COMPOSITION INFORMATION OF INGREDIENTS

Ingredient	CAS No.	Percentage
Lambda cyhalothrin WP	91465-08-6	10%

3.HAZARDS IDENTIFICATION

Potential Health Effects

Emergency Overview



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Eyes

Cause irritation to eyes

Skin

May cause tingling/numbness in exposed areas (parenthesis) of skin.

Ingestion

Toxic if swallowed.

Inhalation

Inhalation of dust may result in respiratory irritation.

Environment

Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

4. FIRSTS AID MEASURES

Contact With Eyes

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

Contact With 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.

Ingestion

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

Inhalation

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

5. FIRE-FIGHTING MEASURES

Flash Point

Not flammable

Extinguishing Media

If product is involved in a fire, use dry chemical extinguisher, foam, carbon dioxide or water spray.

Special exposure hazards

Combustion or thermal decomposition will evolve toxic and irritant vapors.

Protective equipment for fire-fighting:



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Firefighters should wear well approved self-contained breathing apparatus and full protective clothing.

Fire Fighting Guidance:

Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with spilled material or contaminated surfaces. If ordinary clothing becomes contaminated, remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing.

Environmental precautions

Keep people and animals away. Prevent entry into drains, sewers and watercourses. Methods for cleaning up. 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.

7. HANDLING AND STORAGE

Handling

Wear chemically impervious gloves such as neoprene or nitrile. Wear safety glasses, goggles or face shield. Mechanical ventilation should be used when handling this product in enclosed spaces.

Storage

Store in original containers, upright and closed. Store in areas that are cool, dry and well ventilated. Store away from seeds, fertilizers and animal feed stuff. Store in a place accessible by authorized persons only.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit value

ADI: 0.005 mg/kg

Engineering controls

Mechanical ventilation should be used when handling this product in closed spaces.

Respiratory protection

Wear respirator with a particle filter mask.

Hand protection

Wear chemical resistant PVC or nitrile gloves

Eye/face protection

Wear safety goggles with imperforated side shield and face shield.

Skin protection

Avoid contact with skin. Wear apron, boots and full protective suit.

Environmental exposure controls



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Keep away from food, drink and animal feed stuff. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheet. Information on basic physical and chemical properties.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Powder
Color	Off white
Odor	Odorless
Molecular Weight	449.9 (lambda-cyhalothrin)
pH	5.5 to 9.0
Wet sieve test	Maximum: 2 % retained on a 75 µm test sieve.
Solubility in water	Dispersible in water
Persistent foam	Maximum: 60ml after 1 min.
Wet ability	The formulation shall be completely wetted in 1 min, without swirling.

10. STABILITY AND REACTIVITY

Stability	Stable for two years at ambient conditions.
Condition to avoid	Avoid excessive heat and direct sunlight.
Materials to avoid	Strong oxidizing and alkaline agents.
Incompatibility	Strong oxidizing and alkaline agents.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Rat LD50 oral, Rats	>300-2000 mg/kg bw
Rat LD50 dermal, Rats	>2000 mg/kg bw
Skin irritation	Mild irritant to rabbit skin
Eye irritation	Mild irritant to rabbit eyes
Skin sensitization	Unlikely to cause skin sensitization.



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Long term studies

Carcinogenicity	Non-carcinogenic in rat and mice
Mutagen city	Non-mutagenic
Reproductive toxicity	Non-reprotoxic and Teratogenicity

12. ECOLOGICAL INFORMATION

Fish, Bluegill sunfish	LC50 (96 h): 0.21 mg/l (lambda-cyhalothrin)
Daphnia	EC50 (48 h) 0.36 mg/l (lambda-cyhalothrin)
Algae, Selenastrum capricornutum	ErC50: >1000 mg/l (lambda-cyhalothrin)
Bees, Apes indicia	LD50 (oral): 38 no/bee (lambda-cyhalothrin)
Earthworms, Eugenia footed	LC50 :> 1000 mg/kg soil (lambda-cyhalothrin)
Birds, Mallard ducks	LD50: > 3950 mg/kg (lambda-cyhalothrin)
Mobility	Lambda-cyhalothrin strongly adsorbed to soil and sediment organic matter. Negligible potential for leaching of lambda-cyhalothrin and its degradation products through soil.
Persistence and degradability	Lambda-cyhalothrin rapidly degraded in soil. DT50 for microbial degradation 23-82 d, for field soil 6-40 d.

13. DISPOSAL CONSIDERATIONS

Product disposal

Do not empty into drains or waterways. Disposal of product would usually be by incineration in an appropriate licensed commercial incinerator. Advice may be obtained from local waste regulation authorities.

Container disposal

Puncture container to avoid re-use. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by local authorities, by burning. If burned, stay out of smoke. Follow advice on product label and/or leaflet.

14. TRANSPORT INFORMATION

Un Number	3349
UN Class	6.1



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UN Packing group

III

Proper Shipping Name

Pyrethroids Pesticide Solid , Toxic

15. REGULATORY INFORMATION

Additional information

Lambda cyhalothrin designated as marine pollutant.

Classification

Xi: Irritant
N: Dangerous for the environment

Risk Phrases

R22: Harmful if swallowed
R36/37/38: Irritating to eyes, respiratory system and skin
R50/53: Very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

Safety Phrases

S (1/2): Keep locked up and out of the reach of children.
S13: Keep away from food, drink and animal feeding stuffs.
S20/21: When using does not eat, drink or smoke.
S22: Do not breathe dust.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

None

DISCLAIMER

All reasonable care has been exercised in processing your request for information on the chemical listed in this Material Safety Data Sheet. No warranty is made, either expressed or implied and Perisseuma Projects does not hold itself liable for any injury, illness, loss or misinterpretation arising from the use of this data .CHEMET WETS & FLOWS P.LTD makes no warranty expressed or implied in respect of the adequacy of this document for any particular purpose.

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