



# 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](mailto:info@chemet.in) Website : [www.chemet.in](http://www.chemet.in)

## PRODUCT SAFETY DATA SHEET OF CYPERMETHRIN 10% EC

### 1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	NORIN 10 EC
Technical Name	CYPERMETHRIN 10%EC
Chemical Name	(RS)-a-Cyano-3phenoxy benzyl (I RS)-cis-trans3-(2.2-dichloro-viny1)- 2,2 dimethyl cyclopropane carboxylate.
Chemical Family	Insecticide.
Manufacturer	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwar 393002 Tel: 91-2646 239490
Supplier	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwar 393002 Tel: 91-2646 239490
For More Information Call At	Tel-02646-239490 Fax-02646-220254
For medical emergency and chemical emergency, spill. Leak fire, exposure or accident call.	
E Mail Id	chemetank@gmail.com

### 2. COMPOSITION INFORMATION OF INGREDIENTS

Ingredient	Cash number	Percentage
CYPERMETHRIN EC	52315-07-8	10 %

### 3. HAZARD IDENTIFICATION SUMMARY

**Emergency overview** Yellow to brown viscous liquid.

if May be harmful if swallowed, inhaled or absorbed through skin

- \*Avoid breathing vapors.
- \*Avoid contact with eyes, skin or clothing.
- \*Keep out of reach of children

**Skin**



# 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](mailto:info@chemet.in) Website : [www.chemet.in](http://www.chemet.in)

Prolonged or repeated skin contact may cause irritation and sensitization, an allergic reaction.

<b>Eyes</b>	Moderately irritating to the eyes.
<b>Inhalation</b>	Vapor concentrations may be harmful if inhaled.
<b>Ingestion</b>	May be harmful if swallowed.

## 4. FIRST AID MEASURES

### If Swallowed

Harmful in contact if swallowed keep locked up and out of reach of children.

### If In Eyes

In Case of with eyes, rinse immediately with plenty of water and seek medical aid.

### If Inhaled

After removing to fresh air, give sypotoinatic treatment for respiratory injury.

### If On Skin

After contact with skin, wash immediately with plenty of water and soap.

## 5. FIRE FIGHTING MESUARES

### Flammable Lira per ties

Flash Point	Above 25 °C
<b>Fire and Explosion Hazard</b>	Slight fire and explosion hazard

### Extinguishing Media

Dry chemical, carbon dioxide. Halos. And water spray or standard foam. For larger Tim use %yam spray. Fog or standard foam.

### Fire Fighting Instructions

Move containers from fire if possible. Fight Fire from maximum distance. Stay away from storage tank ends. Extinguish only if flow can be stopped. Do no; spill material with higher pressure water streams. Dike fire control water for later disposal. Use agents suitable for type of surrounding fire.

### Fire Fighting Equipment



# 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](mailto:info@chemet.in) Website : [www.chemet.in](http://www.chemet.in)

Self-contained breathing apparatus with full-face piece. Full fire fighting turnout gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Small Spills

Do not touch spilled Material. Stop leak if you can any risk spillage. Use water spray to reduce for small spill, take up with sand or other absorbent material.

### Large Spills

For larger spills dike far ahead of spill for later disposal.

## 7. HANDLING AND STORAGE

### Normal Handling

Always wear recommended personal protective equipment. Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapor or mist. Open containers carefully to release possible internal pressure before completely removing closure.

### Storage Recommendations

Store in a cool, dry, well-ventilated area in a non-combustible structure. Keep containers closed and protect containers front physical damage. Keep away from other sources of ignition Keep away from food, feed and drinking water Keep from freezing.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### Personal Protective Equipment

#### Eye Protection

Employee must wear splash proof or dust resistant safety goggles to prevent eye contact with this substance.

#### Skin Protection

Employee must wear appropriate (impervious) clothing and equipment to prevent repeated skin contact



# 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](mailto:info@chemet.in) Website : [www.chemet.in](http://www.chemet.in)

with this substance. Employees must wear protected gloves to prevent contact with this substance,

## Respiratory Protection

Typical protective equipment Cartridge, Respirator with an organic vapors Cartridge, Gas mask with organic vapors canister. Air purifying Respirator with a full-face piece operated in a pressure mode, Self-contained Breathing Apparatus.

## Additional Recommendations

Safety showers and eyewash stations convenient to work area. Protective clothing, boots, face shield and hat, cleaned daily, if exposure to liquid (splashing etc.) is possible.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Color	Yellow
Odour	Aromatic
Molecular Weight	416.3(Cypermethrin)
Solubility	Emulsify in water
pH	4.6
Relative Density	0.98 g/ml
Flash point	48 °C

## 10. STABILITY AND REACTIVITY

### Chemical Stability

Relatively stable in neutral and weakly acidic media. With optimum stability at pH 11. Hydrolyzed in alkaline media. Relatively stable to light in tick situations. Thermally- stable up to 220°C.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Acute oral LD 50 RAT = 2400 mg/kg

Acute Dermal LD50

### Medical Conditions Aggravated By Exposure

Symptoms of may be hypersensitivity, nervous instability. tremors, ataxia urinary inconsistent and convulsions result on ingestion or inhalation; contact eyes causes severe irritation to eye and



# 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](mailto:info@chemet.in) Website : [www.chemet.in](http://www.chemet.in)

itching, burning and tingling are some symptoms upon contact with skin.

**Carcinogen Status** Non Carcinogenic.

**Mutagenic Data** Salmonella typhimurium no mutagenic changes in vivo.

## 12. ECOLOGICAL INFORMATION

**Environmental Summary:** Cypermethrin is highly toxic for birds, bees and fishes.

**Fish Toxicity:** Rainbow trout were exposed to nominal concentration of 2 or 5 µg cypermethrin.

### Avian Toxicity

Cypermethrin was administered for 5 consecutive days to Mallard ducks at dosages of 5000 or 1000 mg/kg diet. No deaths or clinical signs of intoxication were noted during the feeding period. Though most ducks had regained or exceeded their initial body weights by the end of the holding period.

**Bee Toxicity** Highly Toxic.

## 13. DISPOSAL CONSIDERATIONS

### Waste

Pesticide wastes are toxic. Dispose of in accordance with applicable Federal, state and local laws and Regulations.

## 14. TRANSPORT INFORMATION

**UN Number** 3351

**Class** 6.1

**Packing Group** III

**Shipping Name** Pyrethroids pesticide, Toxics, Flammable

## 15. REGULATORY INFORMATION

NONE.

## 16. OTHER INFORMATION

None



A SYMBOL OF PROTECTION

# 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](mailto:info@chemet.in) Website : [www.chemet.in](http://www.chemet.in)

## **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.

## PREPARED BY:

### CHEMET WETS & FLOWS P. LTD.

#### **Admin Office:**

G-12, Hemkoot Building, B/H LIC Office,  
Ashram Road, Ahmedabad-380 009  
Gujarat, INDIA.

**Contact:** +91-79-26583242

**E-mail:** [chemetank@gmail.com](mailto:chemetank@gmail.com)

**Website:** [www.chemet.in](http://www.chemet.in)

Chemet