



# 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 25% EC

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Trade Name** NEXUS 25 EC

**Technical Name** CYPERMETHRIN 25 % EC

**Chemical Name of** (RS)-a-Cyano-3phenoxy benzyl (RS)-cist-trans 3-(2,2-dichloro-vinyl) - 2, 2 dim ethyl cyclopropane carboxyl ate.

**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  
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GIDC Estate,  
Ankleshwer 393002  
Tel: 91-2646 239490

**Emergency Phone No.** 02646-239490

**Fax No** 02646-220254

**Environmental, Health and** 02646-239490

**Safety Department** 02646-220254

**E mail Id** chemetank@gmail.com

### 2: COMPOSITION INFORMATION OF INGREDIENTS

COMPONENT	CAS NO	PERCENTAGE
Cypermethrin EC	52315-07-8	25%

### 3. HAZARD IDENTIFICATIONSUMMARY

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

May be harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation.

\*Avoid breathing vapors.

\* Avoid contact with eyes. Skin or clothing.

\* Keep out of reach of children.

**Skin , Inhalation ,Ingestion**



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Prolonged or repeated skin contact may cause irritation and sensitization, an allergic reaction. Moderately irritating to the eyes. Vapor concentrations may be harmful if inhaled. May be harmful if swallowed.

## 4. FIRST AID AND MEASURES

### If Swallowed

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

### If in eyes

In case of with eyes. Rinse immediately with plenty of water and seek medical advice.

### If inhaled

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

### If on skin

An Irritant contact with skin. Wash immediately with plenty of water and soap.

## 5. FIRE FIGHTING MEASURES

### Flash point

Above 25°C.

### Fire and Explosion Hazard

Slight fire and explosion hazard

### Extinguishing Media

Dry chemical, carbon dioxide, halos, and water spray or standard foam. For larger tires use water spray, fog or standard foam.

### Fire Fighting instruction

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 not: spill material with higher pressure water lancers. Dike tire control water for later disposal. Use agent's suitable 'Iv type of surrounding lire.

### Firefighting Equipment

Self- contained breathing apparatus with full-face piece. Full tire 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



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For larger spills dike far ahead of spill for later disposal

## 7. HANDLING AND STORAGE

### Normal Handling

Always wears recommended personal protective equipment. Use with adequate ventilation. As old 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 Recommendation

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

## 8. EXPOSURE CONTROLS

### 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 safe 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 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 Recommendation

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.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** liquid

**Color** Yellow

**Odour** Aromatic

**Molecular Weight** 416.3 (Cypermethrin)

**Solubility** Emulsify in water

**pH** 4.61

**Relative Density** 0.9801 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-I. Hydrolyzed in alkaline media. Relatively stable to light in field situations. Thermally stable up to 220°C.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Acute Oral L12 <sub>50</sub> RAT	600 mg/kg
Acute Oral LD <sub>50</sub> MOUSE	148 mg/kg
Acute Dermal LO <sub>50</sub> RAT	> 4 ml/kg
Acute Inhalation I.C <sub>50</sub> RAT	2.50 mg/l
Mucous Membrane irritation RABBIT Acute Skin	Severe irritant
irritation RABBIT	Severe irritant

### Medical Condition Aggravated by Exposure

Symptoms of may be hypersensitivity, nervous instability, tremors, and ataxia urinary inconsistent and convulsions result on ingestion or inhalation: contact eyes causes' severe irritation to eye and itching. Burning and tingling are some symptoms upon contact with skin.

**Carcinogen Status** Non Carcinogenic.

**Mutagenic Data** Salmonella Typhimurium Non Mutagenic.

## 12. ECOLOGICAL INFORMATION

### Environmental summary

Cypermethrin is highly toxic for birds, bees and fishes.



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## Fish Toxicity

Rainbow trout were exposed to nominal concentration of 12 or 5 µg Cypermethrin /liter

## Avian Toxicity

Cypermethrin was administered for 5 consecutive days to Mallard ducks at dosages of 5000 or 10 000 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 INFORMATION

### Waste

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

### Container

Refer to product label.

## 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

## 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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