



# 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 ALPHA CYPERMETHIRIN 10% SC

### 1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	NT COCK
Technical Name	ALPHA CYPERMETHIRIN 10 % SC
Chemical Family	Pyrethroids Pesticide
Molecular Formula	C <sub>22</sub> H <sub>19</sub> Cl <sub>2</sub> NO <sub>3</sub>
Supplier	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwar 393002 Tel: 91-2646 239490
Manufacturer	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwar 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 ON INGREDIENTS

INGREDIENT	CAS NO	PERSENTAGE
Alpha Cypermethrin SC	67375-30-8	10 %

### 3. HAZARDS IDENTIFICATION

#### Emergency overview

#### Immediate Concerns

White to light-tan liquid with practically no odor. - Slightly combustible. May support combustion at elevated temperatures. - Thermal decomposition and burning may form toxic by-products. - For large exposures or fire, wear personal protective equipment. - Highly toxic to fish and aquatic organisms. Keep out of drains and water courses.



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## Potential Health Effects

Effects from overexposure result from swallowing, breathing or coming into contact with the eyes and skin. Symptoms of overexposure include tremors, loss of motor control and greater sensitivity to sound. Contact with this product may produce skin sensations such as numbing, burning and tingling. These skin sensations are reversible and usually subside within 12 hours.

## Medical Conditions Aggravated

None presently known.

## 4. FIRST AID MEASURES

### Eyes

Flush with water for at least 15 minutes. If irritation occurs and persists, obtain medical attention.

### Skin

Wash with plenty of soap and water. Get medical attention if irritation occurs and persists.

### Ingestion

Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. If any discomfort persists, obtain medical attention.

### Inhalation

Remove to fresh air. If breathing difficulty or discomfort occurs and persists, contact a medical doctor.

## Notes To Medical Doctor

This product has low oral and dermal toxicity. It is expected to be having moderate inhalation toxicity, and to be minimally irritating to the eyes and non-irritating to the skin. Do not administer milk, cream or other substances which contain vegetable or animal fats, as they enhance absorption. Central nervous system stimulation should be controlled with sedation by, e.g., barbiturates. Reversible skin sensations (parasthesia) may occur and ordinary skin salves have been found useful in reducing discomfort. Treatment is otherwise controlled removal of exposure followed by symptomatic and supportive care.

## 5. FIRE FIGHTING MEASURES

### Extinguishing Media

Foam, CO<sub>2</sub> or dry chemical. Soft stream water fog only if necessary. Contain all runoff.

### Fire/Explosion Hazards

Slightly combustible. This material may support combustion at elevated temperatures.

### Fire Fighting Procedures

Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapors generated.



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## Hazardous Decomposition products

Carbon monoxide, carbon dioxide, hydrogen cyanide, chlorine and hydrogen chloride.

## 6. ACCIDENTAL RELEASE MEASURES

### Release Notes

Keep unprotected persons and animals out of the area. Keep material out of lakes, streams, ponds and sewer drains. Dike to confine spill and absorb with a non-combustible absorbent such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label contents for disposal. To clean and neutralize spill area, tools and equipment, wash with a suitable solution of caustic or soda ash, and an appropriate alcohol (i.e., methanol, ethanol or isopropanol). Follow this by washing with a strong soap and water solution. Absorb, as above, any excess liquid and add to the drums of waste already collected. Repeat if necessary.

## 7. HANDLING AND STORAGE

Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces. Store in original containers only. Keep out of reach of children and animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls

Use local exhaust at all process locations where vapor or mist may be emitted. Ventilate all transport vehicles prior to unloading.

### Personnel Protective Equipment

#### Eyes and Face

For splash, mist or spray exposure, wear chemical protective goggles or a face shield.

#### Respiratory

For splash, mist or spray exposure wear, as a minimum, a properly fitted half-face or full-face air-purifying respirator which is approved for pesticides. Respirator use and selection must be based on airborne concentrations.

#### Protective Clothing

Depending upon concentrations encountered, wear coveralls or long-sleeved uniform and head covering. For larger exposures as in the case of spills, wear full body cover barrier suit, such as a PVC suit. Leather items - such as shoes, belts and watchbands - that become contaminated should be removed and destroyed. Launder all work clothing before reuse (separately from household laundry).

#### Work Hygienic Practices

Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking or using tobacco. Shower at the end of the workday. GLOVES: Wear chemical protective



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gloves made of materials such as nitrile, neoprene, ETC. Thoroughly wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks.

## Comments

Personal protective recommendations for mixing or applying this product are prescribed on the product label. Information stated above provides useful, additional guidance for individuals whose use or handling of this product is not guided by the product label.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Odor** Practically Odorless

**Appearance** White to light -tan liquid

**Ph** 6.4 -7.0

**Solubility in Water** Disperses

**Specific Gravity** 1.02 to 1.03 @ 20°C (water =1)

**Weight Per Volume** 8.49 lb/gal. (1020 -1030 g/l)

## 10. STABILITY AND REACTIVITY

**Conditions to Avoid** Excessive heat and fire.

**Stability** Stable

**Polymerization** Will not occur

## 11. TOXICOLOGICAL INFORMATION.

### Dermal LD<sub>50</sub>

>2000 mg/kg (rabbit)

### Oral LD<sub>50</sub>

3184 mg/kg (rat)

### Inhalation LC<sub>50</sub>

0.32 mg/L/4 hour (rat) (alpha-cypermethrin)

### Sensitization

Alpha-cypermethrin produces skin sensitization (allergic reaction) in laboratory animals and may produce similar effects in humans.

### Acute Effects From Over Exposure



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This product has low oral and dermal toxicity. It is expected to be having moderate inhalation toxicity, and to be minimally irritating to the eyes and non-irritating to the skin. Large toxic doses administered to laboratory animals have produced symptoms such as loss of motor control, tremors, decreased activity, motor ataxia and hypersensitivity to sound. Experience to date indicates that contact with this product may produce skin sensations such as numbing, burning or tingling. These sensations are reversible and usually subside within 12 hours.

## Chronic Effects From Over Exposure

No data available for the formulation. Biochemical changes in peripheral nerves of animals receiving oral doses of alpha-cypermethrin over a four week period were consistent with nerve damage. Laboratory animals receiving alpha-cypermethrin in the diet for 90 days showed evidence of elevated liver enzyme levels. Alpha-cypermethrin was negative in a battery of mutagenicity tests.

## 12. ECO LOGICAL INFORMATION

The physical and environmental properties, as well as the environmental toxicology of **alpha-cypermethrin** are similar to **cypermethrin**. Unless otherwise indicated, the data provided below pertains to cypermethrin.

### Environmental Data

Cypermethrin is rapidly degraded in soil with a half-life of 2 to 4 weeks. It is readily hydrolyzed under basic conditions (pH = 9) but, under acidic and neutral conditions, hydrolysis half-life can be 20 to 29 days. Cypermethrin has a high affinity for organic matter and a Log Power of 5.0; yet, because of the ease with which the material undergoes degradation, it has a very low potential for Bioconcentration and is not mobile in soil.

### Ecotoxicological Information

Alpha-cypermethrin is considered highly toxic to fish and aquatic arthropods, and has LC50 values which range from 0.004 µg/L to 3.6 µg/L. The aquatic arthropods tended to be some of the more sensitive species. Care should be taken to avoid contamination of the aquatic environment. Cypermethrin is very slightly toxic to birds and oral LD50 values are greater than 10,248 mg/kg.

## 13. DISPOSAL CONSIDERATION

### Disposal Method

Open dumping or burning of this material or its packaging is prohibited. If spilled material cannot be disposed of by use according to label instructions, an acceptable method of disposal is to incinerate in accordance with local, state and national environmental laws, rules, standards and regulations. However, because acceptable methods of disposal may vary by location and regulatory requirements may change, the appropriate agencies should be contacted prior to disposal.

### Empty Container

Non-returnable containers which held this material should be cleaned, prior to disposal, by triple-rinsing. Containers which held this material may be cleaned by being triple-rinsed, and recycled, with the rinsate



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being incinerated.

## 14. TRANSPORT INFORMATION

Reportable Quantity None

## MARINE POLLUTANT #1

### Other Shipping Information

Material is regulated via the water mode only. Environmentally hazardous substance, liquid, n.o.s. UN3082, III.

## 15. REGULATORY INFORMATION UNITED STATES

EXTREMELY HAZARDOUS SUBSTANCES Not listed

HAZARD CATEGORIES Immediate, Delayed

### THRESHOLD PLANNING QUANTITY

THE threshold planning quantity (TPQ) for this product, if treated as a mixture, is 10,000 lbs. This product contains the following ingredients with a TPQ of less than 10,000 lbs.: None

### REPORTABLE INGREDIENTS

There are no ingredients in this product which are reporting requirement comments.

## 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.

### 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)