



SHREEJI PESTICIDES PVT. LTD  
(A SUBSIDIARY OF WILLOWOOD CHEMICALS PVT. LTD)

## Material safety data sheet Chlorpyrifos 50 + Cypermethrin 5% EC

### 1. Product and Company Identification

**Product Name** : Chlorpyrifos 50% + Cypermethrin 5% EC

**Chemical Name** : **Chlorpyrifos:** O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate

**Cypermethrin:** (RS)- $\alpha$ -cyano-3-phenoxybenzyl(1RS, 3RS; 1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclo propane carboxylate

**Type** : Insecticide

**Molecular formula** : **Chlorpyrifos:** C<sub>9</sub>H<sub>11</sub>Cl<sub>3</sub>NO<sub>3</sub>PS

**Cypermethrin:** C<sub>22</sub>H<sub>19</sub>Cl<sub>2</sub>NO<sub>3</sub>

**Supplier** : Shreeji Pesticides Pvt. Ltd.

**Address** 69/p, Village – Manjusar – 391775  
Tal. Savli, Dist. Vadodara (Gujarat) India

**Telephone** +91 2667 264701

**Website** www.shreejipesticides.com

**Email** info@shreejipesticides.com

### 2. Composition / Information on ingredients

Chemical Name	CAS#	Percent or content (w/w)
Chlorpyrifos a.i.	2921-88-2	50.00 %
Cypermethrin a.i.	52315-07-8	5.00 %
Other ingredients	-	55.00 %

### 3. Health Hazards Identification

**Hazards identification** Flammable. Harmful if swallowed. Risk of serious damage to eyes. Irritating to skin. Very toxic to aquatic organisms. Toxic to bees.



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### 4. First Aid Measures

<b>Eyes</b>	Immediate and continuous irrigation with flowing water for at least 15 minutes is imperative. Prompt medical consultation is essential.
<b>Skin</b>	Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse.
<b>Ingestion</b>	Do not induce vomiting. Call a physician and/or transport to emergency facility immediately. The decision of whether to induce vomiting or not should be made by an attending physician.
<b>Inhalation</b>	Remove to fresh air. Consult a physician.
<b>Antidote</b>	Atropine by intravenous administration is the antidote of choice. Oximes may or may not be therapeutic but it is recommended that they should not be used in place of atropine.

### 5. Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Water fog or fine spray. Carbon dioxide. Dry chemical. Foam.
<b>Special Hazards combustion products</b>	Hydrogen chloride, sulphur oxides, nitrogen oxides, hydrogen cyanide, dependant on the intensity of the fire.
<b>Protective Equipment for Fire Fighting</b>	Wear protective clothing and use self-contained breathing apparatus.

### 6. Accidental Release Measures

**In case of spill or leak** Do not wash into sewers or into any body of water. Advise water authority if spillage has entered water course or drainage system. Soak up with sand or other non-combustible absorbent material and place into containers for disposal. For large spills, barricade area and consult manufacturer.



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### 7. Handling and Storage

**Handling** Use good personal hygiene. Do not consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work. Avoid breathing vapours. Avoid eye contact.

**Storage** Product should be stored in compliance with local regulations. Store in a cool, dry, well-ventilated place in the original container. Protect from excessive heat and cold. Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilizers. Keep out of reach of children.

### 8. Exposure Controls/Personal Protection

**Breathing Protection** When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

**Eye protection** Use chemical goggles. If vapour exposure causes eye discomfort, use a full-face supplied-air respirator

**Hand Protection** For brief contact, no precautions other than clean body-covering clothing and chemical resistant gloves should be needed. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.  
For emergency conditions: Use protective clothing impervious to this material. Selection of specific items will depend on operation.

### 9. Physical and Chemical Properties

<b>Form</b>	Clear liquid
<b>Colour</b>	yellow
<b>Physical state</b>	Liquid
<b>Flash point</b>	45°C
<b>Density</b>	1.09 g/ml ± 0.05



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### 10. Stability and Reactivity

<b>Chemical Stability</b>	Stable under standard conditions.
<b>Conditions to avoid</b>	Avoid high temperatures (at or near flash point), open flame, sparks and direct sunlight. Contains petroleum derivative solvent - will burn.
<b>Materials to Avoid</b>	Strong basic, acidic or oxidizing materials.

### 11. Toxicological Information

<b>Acute Oral Toxicity</b>	LD <sub>50</sub> (rats) 800 mg/kg
<b>Acute Dermal Toxicity</b>	LD <sub>50</sub> (Rabbits) >4000 mg/kg b.w
<b>Acute Inhalation</b>	LC <sub>50</sub> (rats): >5000 mg/m <sup>3</sup>
<b>Eye Irritation</b>	Rabbit: Highly irritant to eye
<b>Skin Irritant</b>	Rabbit: irritant to skin
<b>Skin sensitization</b>	Guinea pig: Non-sensitizer

### 12. Ecological Information

Acute LC<sub>50</sub> for rainbow trout (*Onchorynchus mykiss*) is 0.0075 mg/L.

Acute LC<sub>50</sub> for daphnia is reported to be 0.00034 mg/L.

Algal toxicity EC<sub>50</sub> for green algae is 1.1mg/L.

LD<sub>50</sub> for earthworms is 120 mg/kg.

Toxic to bees.

### 13. Disposal Considerations

<b>Waste Disposal Method</b>	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.
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**Container disposal method** Non-returnable containers that 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 being incinerated. Do not cut or weld metal containers. Vapors that form may create an explosion hazard.

### 14. Transport Information

#### Rail/Road (RID/ADR)

Proper Shipper Name : ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, FLAMMABLE

Class : 6.1

UN No. : 3017

Packing Group : III

#### Sea (IMDG – Code)

Proper Shipper Name : ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, FLAMMABLE

Class : 6.1

UN No. : 3017

Packing Group : III

#### Air (ICAO/IATA)

Proper Shipper Name : ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, FLAMMABLE

Class : 6.1

UN No. : 3017

Packing Group : III

#### Packing Instructions:

Packing instructions on sea: P001

Packing instructions on air: Y611/618

### 15. Regulatory Information

EU- Classification

Hazard Symbol

Xn

Harmful



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Special Risks (R-Phrases)	10	Flammable
	22	Harmful if swallowed
	38	Irritating to eyes and skin.
	41	Risk of serious damage to eyes
	43	May cause sensitization by skin contact

Safety Advice (S- Phrases)	2	Keep out of the reach of children.
	13	Keep away from food, drink and animal feeding stuffs
	20/21	When using do not eat, drink or smoke.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	28	After contact with skin, wash immediately with plenty of water and soap
	36/37/39	Wear suitable protective clothing, gloves and eye/face protection
	46	If swallowed, seek medical advice immediately and show this container or label.
	62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

International WHO Toxicity Classification	II	Moderately hazardous
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### 16. Other Information

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.*