



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

## Material safety data sheet CLODINAPOP PROPARGYL 15% WP

### 1. IDENTIFICATION OF COMPANY & PRODUCT

**Product Name** : Clodinafop Propargyl 15% WP  
**Chemical Name** : Prop-2-ynyl(R)-2-[4-(5-chloro-3-fluoro-2-pyridyloxy) phenoxy] propionate  
**Users** : **Herbicides**

**Molecular Formula** : C<sub>17</sub>H<sub>13</sub>ClFNO<sub>4</sub>  
**Manufacturer** : SHREEJI PESTICIDES PVT LTD.  
**Address** : Plot No. 69/P, Village - Manjusar, Tal. Savli, Dist. Vadodara - 391775  
Gujarat, India :  
**Tele Fax Number** 91 2667 264701

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Percent or content (w/w)
Clodinafop Propargyl a.i.	105512-06-9	15.00 %
Other ingredients	---	85.00 %

### 3. HEALTH HAZARDS IDENTIFICATION

#### Symptoms of Acute Exposure

Causes irritation to the eyes, skin and respiratory tract. Skin allergies are possible. Exposure to high vapor levels may cause headache, dizziness, numbness, nausea, incoordination, or other central nervous system effects.

### 4. FIRST AID MEASURES

#### General Information :

**Skin contact:** After contact with skin, wash immediately with soap and water.

**Eye contact:** If product or spray enters eyes, wash out immediately and continue rinsing with clean water for at least 15 minutes. Obtain medical attention.

**Ingestion:** If swallowed do NOT induce vomiting. For advice, contact a doctor immediately.

**Inhalation:** Keep patient calm. Remove to fresh air and seek medical attention.

#### Further Information :

**Treatment:** Treat according to symptoms (decontamination, vital functions). No known specific antidote.



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### 5. FIRE FIGHTING MEASURES

**Specific hazards:** If involved in a fire, it will emit hydrogen chloride and possibly organo chlorine compounds.

**Extinguishing media and methods:** Dry chemical, water spray, foam, carbon dioxide.

**Recommended protective clothing:** Wear SCBA and chemical-protective clothing.

**Suitable Extinguishing media:**

Extinguishing media - small fires Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires Alcohol-resistant foam or Water spray.

**Extinguishing media which shall not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire.

**Special protective equipment for firefighters**

Wear full protective clothing and self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use protective clothing. Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately.

**Environmental precautions:** Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/ material. Disposal procedures: Dispose of waste safely, according to local Council regulations.

**Soil Spill procedures:** Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and Absorb with further inert

### 7. HANDLING AND STORAGE

**Handling** : Avoid contact with skin and eyes. Ventilation required. Keep away from: sparks, open flame and direct sunlight.

**Storage** : Keep away from heat and protect from sunlight and moisture.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering measures:** Respiratory protection: Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles.



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**Eye protection** : Safety goggles with side-shields. Hand protection: Suitable chemical resistant safety gloves (e.g. nitrile rubber (.4mm)). Other protective equipment: Body protection (chemical protection suit, boots) must be chosen depending on activity and possible exposure. General Safety & Hygiene measures: Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use. Wash hands and face before breaks and after work.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical Form** : Snow white color fine powder  
**Color** : white  
**Odour** : Characteristic  
**pH** : 4.5 to 7.0  
**Bulk Density** : 0.35  
**Flammability** : NA  
**% Persistent foam** : Maximum: 40 ml after 1 min.

### 10. STABILITY AND REACTIVITY

**Incompatibility** : Strong oxidizers, strong acids, alkalis.  
**Polymerization** : Polymerization will not occur  
**Hazardous decomposition** : May decompose at high temperatures to form toxic gases.

### 11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity** : > 2 000 mg/kg  
**Acute inhalation toxicity**: > 3 500 mg/cm<sup>3</sup>  
**Acute dermal toxicity**: > 4 000 mg/kg  
**Skin irritation**: Moderate irritant  
**Eye irritation**: Moderate irritant  
**Sensitization**: Potential skin sensitizer

### 12. ECOLOGICAL INFORMATION

**Acute fish toxicity** : LC50 (96 h) for rainbow trout 0.39, carp 0.46, catfish 0.43 mg/kg  
Toxicity for daphnia: LC50 (48 h) >74 mg/kg



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Toxicity to algae: EC50 (96-120 h) for Scenedesmussubspicatus 25, Microcytic >65.5, Navicula 6.8 mg/l

### 13. DISPOSAL CONSIDERATIONS

**Disposal:** Triple rinse container and add residue to spray tank. Return empty container to an A Recovery collection point for disposal. Empty container precautions: Avoid contamination of any water supply with chemical or empty container.

### 14. TRANSPORT INFORMATION

**Rail/road (RID/ADR) :**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clodinafop propargyl)

Class 9

Packing group III

UN: 3082

MARINE POLLUTANT

Sea (IMDG code): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clodinafop propargyl)

Class 9

Packing group III

UN: 3082

Air (ICAO/IATA):

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clodinafop propargyl)

Class 9

Packing group III

UN: 3082

### 15. REGULATORY INFORMATION

**Approved handlers** : This product must be under the care of an approved handler during use. Tracking requirements apply.

### 16. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge as is intended to describe our products from the view of safety requirements. It should not therefore be construed as guaranteeing specific properties.