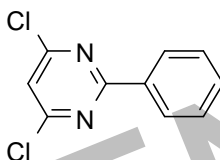


## Material Safety Data Sheet

**Product Name: Fenclorim**

### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name:** Fenclorim  
**CAS:** 3740-92-9  
**Molecular Weight:** 225.1  
**Chemical Name:** 4,6-dichloro-2-phenylpyrimidine  
**Chemical Formulation:** C<sub>10</sub>H<sub>6</sub>Cl<sub>2</sub>N<sub>2</sub>  
**Chemical Structure:**



**Uses:** Used as a safener for pretilachlor in direct-seeded rice.  
**Manufacturer:** Nanjing Essence Fine-Chemical Co., Ltd  
**Address:** 5th Floor, Suoye Road 18#, Nanjing, China  
**Telephone Number:** +86 25 86465997  
 +86 25 86466001  
**Fax Number:** +86 25 86455985  
**Website:** www.essencechem.com

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Hazardous Component Name</u> | <u>CAS-No.</u> | <u>Average by Weight</u> |
|---------------------------------|----------------|--------------------------|
| Fenclorim                       | 3740-92-9      | 95%                      |

### SECTION 3. HAZARDS IDENTIFICATION

**Eye Contact:** Non-irritating to eye  
**Skin Contact:** Non-irritating to skin  
**Inhalation:** Harmful  
**Ingestion:** Harmful  
**Other Hazards:** Sensitising to skin

#### SECTION 4. FIRST AID MEASURES

- Eye Contact:** Rinse immediately with plenty of water and seek medical advice.
- Skin Contact:** Remove all contaminated clothes and shoes. Wash off immediately with soap and plenty of water (15 - 20 minutes). Get medical attention if irritation persists.
- Inhalation:** Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.
- Swallowing:** Remove by gastric lavage and catharsis. Maintain blood pressure and airway. Give oxygen if respiration is depressed. Do not perform gastric lavage if victim is unconscious. Get medical attention immediately.

#### SECTION 5. FIRE FIGHTING MEASURES

- Special Protective:** As for all fires involving chemicals: chemical protection suit, suitable gloves equipment for fire-fighters and boots, and self-contained breathing apparatus.
- Special Exposure Hazards:** Do not release chemically contaminated water into drains, soil and surface waters.
- Extinguishing Media:** Dry chemical, carbon dioxide, halon, water spray or standard foam.
- Unsuitable Extinguishing:** High pressure water jet media.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Safeguards:** Wear protective clothing. Clear area of unprotected personnel. Eliminate all ignition sources and naked lights. Use non-sparking utensils.
- Clean-up Procedure:** Sweep or vacuum up solids without generating dust. Dampen down with minimum water spray. Contain liquid spills and absorb with sand, soil or absorbent granules. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterways contact the local authority. Collect in an appropriate sealable labelled container for disposal in an approved landfill.

## SECTION 7. HANDLING AND STORAGE

|                  |   |
|------------------|---|
| <b>Handling:</b> | Do not store or consume food, drink or use tobacco in areas where there is a potential for exposure to the material.  |
| <b>Storage:</b>  | Store in original container in a cool, dry, ventilated place away from direct heat or direct sunlight. Store away from foodstuffs, children and animals. Keep container sealed when not in use. |

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                              |   |
|------------------------------|---|
| <b>Engineering Controls:</b> | Ensure ventilation is adequate and that air concentrations of components are controlled below recommended hygiene standard. Use with local exhaust ventilation or while wearing dust mask.<br><br>Keep containers closed when not in use. Facilities storing or utilising this material should be equipped with an eyewash facility and safety. |
| <b>Personal Protection:</b>  | Wear overalls, safety boots, safety goggles, gloves and NIOSH approved half mask respirator with organic vapour cartridge + dust/mist prefilters. Wash protective clothing before storage or reuse. Wash thoroughly after handling and before eating, drinking or smoking.  |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                             |                               |
|-----------------------------|-------------------------------|
| <b>Appearance:</b>          | Colourless crystals           |
| <b>Melt Point:</b>          | 96.9 °C                       |
| <b>Vapor Pressure:</b>      | 12 mPa (20 °C)                |
| <b>pH:</b>                  | 4-7                           |
| <b>Specific Gravity:</b>    | 1.5 g/cm <sup>3</sup> (20 °C) |
| <b>Solubility in Water:</b> | 2.5 mg/l (20 °C)              |

## SECTION 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable for at least 2 year below 50°C .   |
| <b>Conditions to Avoid:</b>              | No special precautions other than good housekeeping of chemicals.               |
| <b>Hazardous Decomposition Products:</b> | Thermal decomposition products may include toxic oxides of carbon and nitrogen. |
| <b>Hazardous Polymerization:</b>         | None.   |

## SECTION 11. TOXICOLOGICAL INFORMATION

|                      |  |
|----------------------|--|
| <b>Oral:</b>         | Acute oral LD50 for male rats 2816, female rats 2146 mg/kg.  |
| <b>Skin and eye:</b> | Acute percutaneous LD50 for rabbits >5000, rats >2000 mg/kg. Mild skin irritant; slightly irritating to eyes (rabbits).<br>Mild skin sensitiser (guinea pigs). |
| <b>Inhalation:</b>   | LC50 (1 h) for rats >5.5 mg/l air.   |

## SECTION 12. ECOLOGICAL INFORMATION

No toxic to ecological.

## SECTION 13. DISPOSAL CONSIDERATIONS

|                             |   |
|-----------------------------|---|
| <b>Disposal Procedures:</b> | Via licensed disposal company. Dispose of according to federal and local regulations. |
|-----------------------------|---|

## SECTION 14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

This product is not hazardous under the applicable DOT, ICAO / IATA, or IMDG regulations.

## SECTION 15. REGULATORY INFORMATION

Not available

## SECTION 16. OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.