



## **AOWEI AGRICULTURAL TECHNOLOGY CO., LTD.**

ADD: NO. 27, CBD BUSINESS INNER RING ROAD, ZHENGDONG NEW DISTRICT,  
ZHENGZHOU, CHINA

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### **1. Chemical product and company identification**

Product name: 4-Chlorophenoxyacetic acid 4-CPA

CAS NO.: 122-88-3

EINECS NO.: 2045813

Chemical Name: p-Chlorophenoxyacetic acid

Chemical Formula: C<sub>8</sub>H<sub>7</sub>ClO<sub>3</sub>

Manufacturer : AOWEI AGRICULTURAL TECHNOLOGY CO., LTD.

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DISTRICT, ZHENGZHOU ,CHINA

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### **2. Composition/information on ingredients**

Component	TC%	CAS NO.	MinorImpurities
4-Chlorophenoxyacetic acid 4-CPA	>98%	120-23-0	Not determined

### **3. Hazards identification**

Designation :HARMFUL ~ IRRITANT

Risk Phrases

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

### **4. First aid measures**

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the

upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical aid immediately. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: For ingestion, the stomach should be intubated, aspirated, and lavaged with a slurry of activated charcoal--protect the airway from aspiration of gastric contents.

## **5. Fire fighting measures**

Extinguishing Medium

Use fire fighting measures which suit the environment and take into account other materials which may be involved. In general, water-based extinguishers should not be used for fires involving organic materials. Use carbon dioxide or dry powder.

Protective Equipment

Wear self-contained breathing apparatus and protective clothing.

Hazardous Products of Combustion May Include:

carbon monoxide, carbon dioxide, hydrogen chloride (hydrochloric acid).

## **6. Accidental release measures**

Personal Protection

Avoid inhalation or contact of spilled material with skin or clothing. Wear protective equipment including rubber gloves, and eye protection. Keep unprotected persons away.

Environmental Protection

Take precautions to ensure product does not contaminate the ground or enter the drainage system.

#### Collection

Mix with vermiculite or proprietary absorbent material and transfer to sealed containers for disposal.

### **7. Handling and storage**

#### Handling

Chemicals should be used only by those trained in handling potentially hazardous materials. Rubber gloves, eye protection and protective clothing should be worn. Operations should be carried out in an efficient fume hood or equivalent system.

#### Storage

Store in tightly sealed containers in a cool place.

Protect from moisture.

### **8. Exposure controls/personal protection**

Respiratory : Avoid inhalation of product. Handle in an efficient fume hood or equivalent system.

Eye : Avoid eye contact. Wear safety spectacles, goggles or, for larger quantities, a full face mask.

Hands and Body : Irritant product. Avoid skin contact. Wear rubber gloves, protective clothing and, for larger quantities, full arm, body and face protection. Wash hands thoroughly after handling.

### **9. Physical and chemical properties**

Appearance : White to off-white powder

Physical Constants: m.p. 157-159°

Molecular Formula : C<sub>8</sub>H<sub>7</sub>ClO<sub>3</sub>

Formula Weight : 186.59

Water Solubility : V sol  
Density : Not available  
Flash Point : Not available

## **10. Stability and reactivity**

Specific Hazard  
Incompatibilities  
Strong bases. Strong oxidising agents.

Decomposition  
Hazardous products of decomposition may include:  
carbon monoxide, carbon dioxide, hydrogen chloride (hydrochloric acid).

## **11. Toxicological information**

RTECS Number : AG0175000  
Acute Toxicity  
LD50 : ORL-RAT 850mg/kg  
Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

## **12. Ecological information**

General  
Take care to prevent chemicals from entering the ground, water courses or drainage systems.

## **13. Disposal considerations**

Disposal  
Disposal should be via an approved contractor and should take full account of local regulations.

## **14. Transportation information**

UN Number : 2811

Land Transport

ADR/RIC Code/Class: 6.1 /Packing Group III

Maritime Transport IMDG Code/Class : 6.1 /Packing Group III

Air Transport IATA Code/Class : 6.1 /Packing Group III

## **15. Other regulatory information**

CAS Number : 122-88-3

EINECS Number : 2045813

EEC Number :

UN Number : 2811

RTECS Number : AG0175000

Hazard Indication :

HARMFUL ~ IRRITANT

Risk and Safety Phrases

Harmful by inhalation, in contact with skin and if swallowed.

Irritating to eyes, respiratory system and skin.

Keep away from food, drink and animal feeding stuffs.

TSCA: Listed substance.

### **Disclaimer :**

This information is provided for the limited guidance to the user. While we believe that the information is, as of the date hereof, reliable, it is the user's responsibility to determine the suitability of the information for its purposes. The user is advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional, or variable conditions or circumstances exist (like combinations with other materials), or because of applicable regulations. No express or implied warranty of merchantability or fitness for a particular purpose or otherwise is made hereunder with respect to the information or the product to which the information relates.