

# JIANGSU BAOLING CHEMICAL CO., LTD.

41 Yaogang Road, Nantong, Jiangsu, China  
Tel: 86-513-3513256, 3517161, 3513257 Fax: 86-513-3518952

## MSDS

### PROPAMOCARB HYDROCHLORIDE 722G/L

#### 1. CHEMICAL PRODUCT

Product Name: PROPAMOCARB HCL 722G/L SL

Active Ingredient: Propamocarb HCl

CAS number: 25606-41-1

Chemical name: Propyl 3-(dimethylamino)propylcarbamate

Chemical Class: Agricultural fungicide

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Propamocarb HCl: 722g/l

#### 3. HAZARDS IDENTIFICATION

Note: Please refer to section 11 for detailed toxicological information.

**Emergency overview:** Avoid contact with skin, eyes and clothing.

**Routes of exposure:** Eye contact, Ingestion, Skin absorption, Skin contact, respiratory system.

**Immediate effects:**

**Ingestion:** May be harmful if swallowed

**Inhalation:** May be harmful if inhaled.

The product found teratogenic to rats.

Prohibited for use for women in their fertility period (can be harmful to the embryo).

#### 4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre, and follow the advice given. Show this Material Safety Data Sheet to a doctor.

**INHALATION:** If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at all worried.

**SKIN CONTACT:** Carefully remove contaminated clothing. Wash affected areas with soap and water. Seek medical aid if at all worried.

**EYE CONTACT:** Rinse eyes immediately with clean water for at least 15 minutes and obtain medical aid.

**INGESTION:** Wash out mouth with water. Do not induce vomiting. Keep patient at rest and seek medical advice as above.

**FIRST AID:** Provide washing facilities in the workplace.

**NOTE TO PHYSICIAN:** No symptoms of systemic poisoning in humans have been recorded with this product. Slight eye irritation can be expected. For local contamination, treatment should be symptomatic after decontamination. In case of skin or eye contamination, treat as instructed under "First Aid". For systemic poisoning initial treatment should be symptomatic and supportive. Anticonvulsant therapy is not appropriate. There is no specific antidote for poisoning with

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propamocarb. Atropine is contraindicated.

## 5. FIRE FIGHTING MEASURES

Flash Point >100°C

No flash point- Determination conducted up to the boiling point

**Fire and explosion hazards:** In the event of fire the following can be released: nitrogen oxides

**Fire fighting instructions:** Evacuate personnel to safe areas. Keep out of smoke. Fight fire from upwind position. Do not allow run-off from fire fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

Avoid contact with the spilled material or contaminated surfaces. When dealing with spills do not eat, drink or smoke and wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section above. Prevent spilled material from entering drains or watercourses. Contain spill and absorb with earth, sand, clay, or other absorbent material. Collect and store in properly labeled, sealed drums for safe disposal. Deal with all spillages immediately.

## 7. HANDLING AND STORAGE

**HANDLING:** Keep out of reach of children. Avoid contact with eyes and skin.

**STORAGE:** Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room or place away from children, animals, food, animal feed, seed and fertilizers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**General Protection Follow:** manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

**Eye/Face Protection:** Tightly fitting safety goggles

**Hand protection:** Wear suitable gloves

**Body protection:** Wear long-sleeved shirt and long pants and shoes plus socks.

**Respiratory protection:** use mask and filter type A2P3. When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid, clear

APPEARANCE: colourless to light yellow liquid

ODOUR: slightly perceptible

VAPOUR PRESSURE: 38 mbar

VAPOUR DENSITY: Not available

BOILING POINT: ~100°C

FREEZING/MELTING POINT: Not available

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SOLUBILITY: Miscible

DENSITY: 1.075 g/cm<sup>3</sup> at 20°C

PH: 6.0-8.0 at 20°C

FLASH POINT: Not flammable

FLAMMABILITY (EXPLOSIVE) LIMITS: Not determined

AUTO-IGNITION TEMPERATURE: Not available

FORMULATION: Soluble concentrate

## 10. STABILITY AND REACTIVITY

**HAZARDOUS Reactions:** No hazardous reactions when stored and handled according to prescribed instructions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition. Carbon oxides, nitrogen oxides

## 11. TOXICOLOGICAL INFORMATION

Acute oral: LD50 > 2000mg/kg (rats)

Acute dermal: LD50 > 2000mg/kg (rats)

Acute inhalation: LC50 > 7.9mg/l (rats)

Skin irritation: Non-irritant

Eye irritation: Minimally irritating (Rabbits)

Sensitization: Non-sensitizer (Guinea pigs)

## 12. ECOLOGICAL INFORMATION

**Fish toxicity:** The value mentioned below relates to the active ingredient Propamocarb hydrochloride:

LC50 > 99 mg/l (96 h) rainbow trout

LC50 (96 h) bluegill sunfish > 92 mg/l

**Aquatic invertebrates toxicity:** The value mentioned below relates to the active ingredient Propamocarb hydrochloride:

EC50 > 106 mg/l (48 h) Daphnia magna.

**Aquatic plants toxicity:** The value mentioned below relates to the active ingredient Propamocarb hydrochloride:

IC50 (72 h) > 106 mg/kg (Pseudokirchneriella subcapitata)

**Bird toxicity:** The value mentioned below relates to the active ingredient Propamocarb hydrochloride:

LC50 > 7202 mg/kg bobwhite quail

LC50 > 7202 mg/kg mallard duck.

**Environmental Precautions** DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

The product isn't dangerous to bees. The product is toxic to fish aquatic species.

## 13. DISPOSAL CONSIDERATIONS

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**General disposal guidance** Do not contaminate water, food, or feed by disposal. Dispose in accordance with all local, state and federal regulations. Follow advice on product label and/or leaflet.

**Container Disposal** Do not re-use empty containers. Triple rinse containers. Consult state and local regulations regarding the proper disposal of container. Follow advice on product label and/or leaflet.

## **14. TRANSPORT INFORMATION**

CLASS AND SUBSIDIARY RISK: Not "dangerous goods" for transport by road or rail.

## **15. REGULATORY INFORMATION**

### **US States Regulatory Reporting CA Prop65**

This product doesn't contain any substances to cause cancer.

This product doesn't contain any substances to cause reproductive harm.

## **16. OTHER INFORMATION**

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.