

Version: 1.0 Issue date: Oct. 10, 2022

MATERIAL SAFETY DATA SHEET OF

PROPAMOCARB HYDROCHLORIDE 722G/L SL

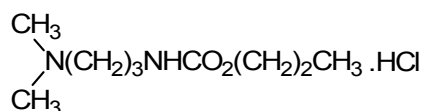
1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Shanghai Bosman Industrial Co., Ltd**Street address:** Rm. 1804, No. 1611, North Sichuan Road, Shanghai P.R. China**Tel:** + 86 21 63065878**Fax:** + 86 21 63065878**Product name:** Propamocarb hydrochloride 722g/L SL

2. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation Type: Soluble concentrate (SL)**Chemical Abstracts name:**

Propyl [3-(dimethylamino)propyl]carbamate hydrochloride

CAS NO. : 25606-41-1**Structural Formula:****Other ingredients determined not to be hazardous**

INGREDIENTS	CAS NO	PROPORTION
Propamocarb hydrochloride	25606-41-1	722g/L min.
others	Not available	Up to 1L

3. HAZARDS IDENTIFICATION

Emergency overview: Keep out of reach of children. Hazardous to humans and domestic animals.

Dangerous for the environment.

Routes of entry: Inhalation, ingestion, skin and eye contact.

4. FIRST AID MEASURES

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General: Have the product container, label or Material Safety Data Sheet with you when going for treatment. Tell the person contacted the complete product name, and the type and amount of exposure.

Describe any symptoms and follow the advice given.

Skin contact: Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion: Do not induce vomiting. Rinse out mouth and give water in small sips to drink. Ingest activated charcoal. Call a physician or poison control center immediately.

Inhalation: Call a physician or poison control center immediately. Move to fresh air. Keep patient warm and at rest.

Note to physician: No specific antidote. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash point: > 100 °C

Autoignition temperature: The product is not self-ignitable.

Lower Flammability Limit: no data available

Upper Flammability Limit: no data available

Explosiveness: no data available

Fire and Explosion Hazards:

In the event of fire the following may be released: Carbon monoxide (CO), Hydrogen chloride (HCl),

Nitrogen oxides (NO_x),

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet

Fire Fighting Instructions: Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Dust explosion class Not applicable.

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6. ACCIDENT RELEASE MEASURES

Personal precautions: Wear personal protective equipment. Unprotected persons must be kept away.

Environmental precautions: Do not discharge into the drains/surface water/groundwater. If spillage enters drains leading to sewage works inform local water company immediately.

Occupational spill: Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material). Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Keep container closed when not in use. Handle and open container in a manner as to prevent spillage. Do not contaminate water, food or feed by storage, disposal or by cleaning equipment. Do not reuse empty container.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store in a tightly closed container in a cool, dry place. Do not contaminate water, food or feed by storage or disposal.

STORAGE TEMPERATURE (MIN/MAX): Normal ambient temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: No personal respiratory protective equipment normally required. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection: Wear nitrile rubber gloves (minimum thickness 0.40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection: Wear goggles.

Skin and body protection: Wear standard coverall and suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless clear liquid.

Odour: No specific odor

pH: 4.0~7.0

Density: NA

Solubility: Soluble in water

10. STABILITY AND REACTIVITY

Stability: Stable under normal use and storage conditions.

Instability conditions: none known.

Hazardous decomposition products: Thermal decomposition products may include, but are not limited to, carbon monoxide and carbon dioxide.

Hazardous polymerization: will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (in sesame oil): > 4,000 mg/kg

Acute Dermal LD₅₀ (Rabbits): >3,000 mg/kg .

Eye Irritation (Rabbit): Not irritating.

Dermal Irritation (Rabbit): No irritating.

Dermal Sensitization (Guinea Pig): Not a skin sensitizer

12. ECOLOGICAL INFORMATION

ECOLOGICAL (active ingredient)

Birds Acute oral LD₅₀ for bobwhite quail and mallard duck >1842 mg/kg.

Dietary LC₅₀ for bobwhite quail and mallard duck >4789 mg/kg.

Fish LC₅₀ (96 h) for bluegill sunfish >92, for rainbow trout >99 mg/l.

Daphnia LC₅₀ (48 h) 106 mg/l.

Algae ErC₅₀ (72 h) for Selenastrum capricornutum >85 mg/l; EbC₅₀ >120 mg/l.

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Other aquatic spp. EC₅₀ (96 h) for Eastern oyster (*Crassostrea virginica*) 43.9 mg/l; LC₅₀ (96 h) for mysid shrimp (*Mysidopsis bahia*) 105 mg/l.

Bees LD₅₀ (oral) >84 µg/bee; (contact) >100 µg/bee.

Worms LC₅₀ (14 d) >660 mg/kg soil.

13. DISPOSAL CONSIDERATION

PRODUCT DISPOSAL: Pesticide spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. Ensure that the disposal is in compliance with federal requirements and state or local regulations.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and dispose of in an incinerator or landfill approved for pesticide containers.

14. TRANSPORT INFORMATION

Proper shipping name: Not regulated

ADR/IMDG/IATA Class : Not regulated

Marine pollutant: Not regulated

Packing Group: Not regulated

15. REGULATORY INFORMATION

Keep out of children. Keep away from food, drink and animal feeding stuffs.

When using, do not eat, drink or smoke. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves.

16. OTHER INFORMATION

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This MSDS summarizes our best knowledge of the health and safety hazard information of the product

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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 the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact the company.

-- END OF MSDS --