



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

Add: Room 1804, No. 1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

Tel: +86 21 63065878 | **Fax:** +86 21 63065878 | **E-mail:** info@bosmangroup.com

Website: www.bosmanagrochem.net

Version: 1.0 Issue date: Oct. 1, 2024

MATERIAL SAFETY DATA SHEET OF

Propisochlor 720g/L EC

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Shanghai Bosman Industrial Co., Ltd.

Street address: No. 1611 North Sichuan Road, Hongkou District, Shanghai, P.R. China.

FAX: +86 21 63065878

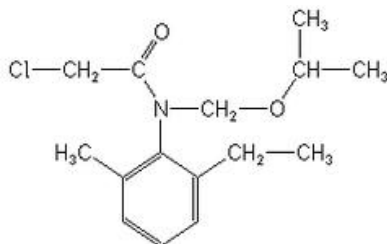
TEL: +86 21 63065878

Product name: Propisochlor 720g/L EC

2. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation Type: Emulsifiable concentrate (EC)

Structural Formula:



Composition:

INGREDIENT	CAS NO	PROPORTION
Propisochlor	86763-47-5	720 g/l min
Other ingredients	NA	Up to 1L

Other ingredients determined not to be hazardous

3. HAZARDS IDENTIFICATION

Most Serious Adverse Effects on Human Health from Use of the Product:

Harmful if inhaled, may cause skin irritant.

Most Serious Adverse Effects on the Environment from Use of the Product:

Causes water contamination, harmful to aquatic organisms.

4. FIRST AID MEASURES

The symptoms of poisoning include: convulsions, nausea, spasms, and vomiting.

Skin contact: Remove contaminated clothes. Rinse and then wash skin with water and soap. Seek medical

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treatment.

Eye contact: Rinse with plenty of water for at least 16 minutes (remove contact lenses if easily possible), then Seek medical treatment.

Ingestion: Do not induce vomiting if the person is conscious. Seek medical treatment immediately.

Inhalation: Move affect person to fresh air and keep at rest until recovered. If not breathing, give artificial respiration and seek medical treatment immediately.

Notes to physician: No specific antidote. Treatment symptomatically.

5. FIRE FIGHTING MEASURES

Flammable limits:

LFL: Not determined.

UFL: Not determined.

Auto-ignition temperature: Not determined.

Hazardous combustion products: Thermal decomposition products include CO, CO₂, NO_x and HCl.

Extinguishing media: Carbon dioxide, foam, powder

Fire-fighting instructions: If water is used to fight fire or cool containers, contain runoff by diking to prevent contamination of water supplies. Containers in fire may burst or explode from excessive heat. Stay well back from fire area.

Protective equipment for firefighters: Wear self-contained breathing apparatus with full protective clothing. Fight fire from upwind and keep all non-essential personnel out of area.

6. ACCIDENT RELEASE MEASURES

Personal precautions: Safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Environmental precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Method for cleaning up: For small spills, absorb with an absorbent material such as pet litter. Sweep up and transfer to containers for possible land application according to label used or for proper disposal. Check local, state and federal regulations for proper disposal. Flush the area with water to remove any residue.

7. HANDLING AND STORAGE

Handling: When handling the preparation, do not eat, drink, or smoke! Ensure the workspace is well-ventilated, and the use of personal protective equipment is recommended. Avoid contact with the



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preparation on skin, eyes, and work clothing, and prevent its penetration into operating areas. Do not inhale vapors.

Storage: Store in a dry, well-ventilated area at room temperature. Separate from food, in its original, sealed containers. The preparation must not be stored together with oxidizing agents and peroxides. Keep far away from heat sources or open flames.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: No data available

Engineering controls: Control process conditions to avoid contact. Use local exhaust ventilation during manufacture and spark proof equipment. Use in a well-ventilated area only.

Personal protective equipment (PPE):

Respiratory protection: Approved respirator

Protective gloves: Rubber gloves

Eye protection: Safety goggles or face shield.

Industrial hygiene: Adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow to brown liquid

Odour: NA

pH: 5.0-8.0

S.g./density: NA

Solubility in water: emulsifiable in water.

10. STABILITY AND REACTIVITY

Conditions to avoid: High temperature, flame, fire, and moist condition.

Incompatibility (Products to avoid): strong acids and bases

Hazardous decomposition products: Thermal decomposition (e.g. fire) may produce CO, CO₂, NO_x, HCl.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

The following information is for the active ingredient, Propisochlor

Acute toxicity:

Oral: Acute oral LD₅₀ for male rats 3433 mg/kg, female rats 2088 mg/kg.

Percutaneous: Acute percutaneous LD₅₀ for male and female rats >2000 mg/kg.



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Inhalation: LC50 for male and female rats >5000 mg/m³.

Irritant properties:

Skin: non-irritating to skin.

Eye: Mildly irritating to eyes

12. ECOLOGICAL INFORMATION

The following information is for the active ingredient, Propisochlor

Ecotoxicity:

Algae: EC50 for *Selenastrum capricornutum* 2.8 µg/l.

Bees: Non-toxic; LD50 (oral and contact) 100 µg/bee.

Birds: Acute oral LD50 for mallard ducks 2000 mg/kg, Japanese quail 688 /kg. LC50 (8 d) for quail and ducks 5000 mg/kg.

Daphnia: LC₅₀(96 h) 6.19 mg/l.

Fish: LC₅₀ (96 h) for carp 7.94, rainbow trout 0.25 mg/l.

Worms: Not dangerous.

Other beneficial spp.: Not dangerous to soil micro-organisms.

Persistence and degradation: Decomposed by microbial action; typical soil DT₅₀ 10-15 d. Koc 333.3 (acid, sandy soil), 364.4 (acid, loamy soil), 493.5 (alkaline, loamy soil).

13. DISPOSAL CONSIDERATION

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures. Collect leaking and spilled liquid in sealable containers as far as possible.

14. TRANSPORT INFORMATION

UN Number: 3082

Description: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Propisochlor)

Hazard class: 9

Packing group: III

Marine Pollutant: Yes

15. REGULATORY INFORMATION

Follow all local and international laws and regulations.



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16. OTHER INFORMATION

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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 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 --