



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

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Website: www.bosmanagrochem.net

Version: 1.0 Issue date: Oct.1, 2025

MATERIAL SAFETY DATA SHEET OF

PICLORAM 240G/L SL

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: Picloram 240g/L SL

2. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation Type: Soluble concentrate (SL)

IUPAC: 4-amino-3,5,6-trichloropyridine-2-carboxylic acid; 4-amino-3,5,6-trichloropicolinic acid

Other ingredients determined not to be hazardous

Ingredient	CAS NO.	Proportion
Picloram	1918 - 02 - 1	240g/L
other ingredients	Not available	Balance

3. HAZARDS IDENTIFICATION

Hazard Class: WHO Class III -Slightly hazardous.

Main Hazard: Exposure may cause severe eye irritation.

Flammability: Water based product, non-flammable.

Chemical Hazard: This product may cause substantial, but temporary eye injury.

Biological Hazard: No specific biological hazard to mention.

4. FIRST AID MEASURES

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

EYES: Irrigate immediately with water for at least 5 minutes. Consult a physician if irritation persists.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse.

INGESTION: Do not induce vomiting. Call a physician. The decision of whether to induce vomiting or



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not should be made by an attending physician.

INHALATION: Remove to fresh air. Consult a physician.

NOTE TO PHYSICIAN: Supportive care. Treatment based on judgement of the physician in response to symptoms of the patient.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog or fine spray. Carbon dioxide. Dry chemical. Foam.

HAZARDOUS COMBUSTION PRODUCTS:

During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

FIRE-FIGHTING EQUIPMENT:

Wear protective clothing and use self-contained breathing apparatus.

ADDITIONAL INFORMATION:

Keep containers cool by spraying with water. Contain runoff to prevent entry into water or drainage systems.

6. ACCIDENT RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear appropriate safety clothing and eye/face protection (see section 8). Prevent skin contact.

ENVIRONMENTAL PRECAUTIONS

Do not wash into sewers or into any body of water. Advise water authority if spillage has entered water course or drainage system.

METHODS OF CLEANING UP

Soak up with sand or other non-combustible absorbent material and place into containers for disposal. For large spills, barricade area and consult manufacturer. If further assistance is required, telephone the emergency contact number.

7. HANDLING AND STORAGE

HANDLING: Use good personal hygiene. Do not consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work. Avoid skin contact. Remove contaminated clothing immediately and wash skin area with plenty of water.



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STORAGE: Product should be stored in compliance with local regulations. Store in a cool, dry, well-ventilated place in the original container. Protect from excessive heat and cold. Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilisers. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINE(S): Picloram: ACGIH Threshold Limit Value (TLV) is 10 mg/m³ TWA-8 hours.

ENGINEERING CONTROLS:

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

RESPIRATORY PROTECTION:

When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

For brief contact, no precautions other than clean body-covering clothing and chemical resistant gloves should be needed. For emergency conditions: Use protective clothing impervious to this material. Selection of specific items will depend on operation.

EYE /FACE PROTECTION:

Use safety glasses. Where contact with the liquid is likely, chemical goggles are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Appearance	: Light yellow
Odour	: NA
pH	: 7.5-11.2
Explosion Properties	: Not explosive

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid extremes of temperature

CHEMICAL STABILITY: Is stable under normal storage conditions

MATERIALS TO AVOID: Strong basic, acidic or oxidising materials

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal conditions of storage and use

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral Acute oral LD50 for male rats >5000, mice 2000 – 4000, rabbits c. 2000, guinea pigs c. 3000, sheep >1000, cattle >750 mg/kg. Skin and eye Acute percutaneous LD50 for rabbits >2000 mg/kg. Moderate eye irritant; mild skin irritant (rabbits). No skin sensitisation. Inhalation LC50 for male and female rats >0.035 mg/l.

Chronic toxicity

NOEL (2 y) for rats 20 mg/kg daily.

12. ECOLOGICAL INFORMATION

Birds Acute oral LD50 for chicks c. 6000 mg/kg. LC50 for mallard ducks and bobwhite quail >5000 mg/kg diet.

Fish LC50 (96 h) for rainbow trout 5.5, bluegill sunfish 14.5 mg/l.

Daphnia LC50 34.4 mg/l.

Algae EC50 for Selenastrum 36.9 mg/l.

Other aquatic spp. LC50 for pink shrimps 10.3 mg/l.

Bees LD50 for honeybees >100 µg/bee.

Worms Practically non-toxic to earthworms.

Other beneficial spp. No effect on soil microbial respiration.

13. DISPOSAL CONSIDERATION

Product Disposal Dispose of product only by using according to the label, or at an approved landfill.

Container Disposal Triple rinse empty container and add rinsate to the spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

14. TRANSPORT INFORMATION

ADR/RID

U.N. Number: 3082

UN proper shipping name: Environmental Hazardous Substance; Liquid; N.O.S (contains Picloram)

UN classification: 9

Version: 1.0 Issue date: Oct.1, 2025

Packing Group: III

IMDG

U.N. Number 3082

UN proper shipping name: Environmental Hazardous Substance; Liquid; N.O.S (contains Picloram)

UN classification: 9

Packing Group: III

IATA

U.N. Number 3082

UN proper shipping name: Environmental Hazardous Substance; Liquid; N.O.S (contains Picloram)

UN classification: 9

Packing Group: III

15. REGULATORY INFORMATION

Follow all local and international laws and regulations.

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 --