



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

Add: Room1804, 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: June 1, 2024

MATERIAL SAFETY DATA SHEET OF

PYRIPROXYFEN 5% WP

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Shanghai Bosman Industrial Co., Ltd

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

Tel: + 86 21 63065878

Fax: + 86 21 63065878

Product name: Pyriproxyfen 5% WP

Recommended use: Insecticide

2. HAZARDS IDENTIFICATION

WARNING

Very toxic to aquatic life with long lasting effects.

Hazardous to aquatic environment. Avoid contact with skin and eyes. Avoid release to environment.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Other ingredients determined not to be hazardous

INGREDIENT	CAS NO	PROPORTION(% , w/w)
Pyriproxyfen	95737-68-1	5 min.
Other ingredients	--	Up to 100%

4. FIRST AID MEASURES

If in Eyes: Immediately flush with plenty of clean water for 15-20 minutes. Remove contact lenses if present after 5 minutes of washing. Get medical attention

If on Skin: Take off contaminated clothing, rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or a doctor.

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If Inhaled: Remove person to fresh air, if required give artificial respiration. Call doctor or poison control centre

If Swallowed: Call doctor or poison control centre immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control centre or doctor. Do not give anything by mouth to an unconscious person

Note to Physician: No antidote. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO_x)

Nature of decomposition products not known.

Carbon oxides, Nitrogen oxides (NO_x)

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENT RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle r (US) or type ABEKP2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge

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into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Powder

Color : off-white

Odor : NA

pH : 5.0-9.0

Corrosive: Non corrosive

Oxidisation: Not an oxidiser

10. STABILITY AND REACTIVITY

Reactivity: No data Chemical

Stability: Stable for 2 years under normal storage condition

Hazardous Reaction: Not known

Condition to Avoid: Direct sunlight, heat and extreme temperature

Incompatible Material: Not known

Hazardous Decomposition Product: No data

11. TOXICOLOGICAL

For technical material (TC)

Acute toxicity

Acute oral toxicity LD50 for rats >5000 mg/kg.

Acute skin and eye toxicity LD50 for rats >2000 mg/kg.

Irritation Not an irritant to skin and eyes (rabbits).

Sensitization Not a skin sensitizer (guinea pigs).

Inhalation LC50 (4 h) for rats >1300 mg/m³.

Chronic toxicity

NOEL (2 y) for rats 600 ppm (35.1 mg/kg b.w.) (EPA Tracking).

12. ECOLOGICAL INFORMATION

For technical material (TC)



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Birds Acute oral LD50 for mallard ducks and bobwhite quail >2000 mg/kg. Dietary LC50 for bobwhite quail and mallard ducks >5200 ppm.

Fish LC50 (96 h) for rainbow trout >0.325 mg/l.

Daphnia EC50 (48 h) 0.40 mg/l.

Algae EC50 (72 h) for *Selenastrum capricornutum* 0.064 mg/l.

13. DISPOSAL CONSIDERATION

Triple rinse container and add rinsate to spray tank, burn, if circumstances, especially wind direction permit, otherwise dispose of at an approved landfill. Dispose of this product only by using in accordance with label directions. Dispose of liquid contaminated material/or contaminated soil in an approved landfill. Disposal must be in accordance with applicable local regulations.

14. TRANSPORT INFORMATION

DOT

UN number : 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Pyriproxyfen)

Class : 9

Packing group : III

IMDG

UN number : 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Pyriproxyfen)

Class : 9

Packing group : III

IATA

UN number : 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Pyriproxyfen)



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15. REGULATORY INFORMATION

Follow all local, international decree, regulation and laws.

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 --