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

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MATERIAL SAFETY DATA SHEET OF

CHLORANTRANILIPROLE 35% WG

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: Chlorantraniliprole 35% WG

Uses: Insecticide

2. HAZARDS INDENTIFICATION

Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Acute aquatic toxicity: Category 1

H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 1

H410 Very toxic to aquatic life with long lasting effects.

Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

Hazardous components which must be listed on the label:

Chlorantraniliprole



Signal word: Warning

Hazard statements

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P391 Collect spillage.

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

No other hazards known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation: Water disperse granule (WG)

IUPAC name: 3-bromo-N-[4-chloro-2-methyl-6-(methylcarbamoyl)phenyl]-1-(3-chloropyridin-2-yl)-1H-pyrazole-5-carboxamide; 3-bromo-4′ -chloro-1-(3-chloro-2-pyridyl)-2′ -methyl-6′ -(methylcarbamoyl)pyrazole-5-carboxanilide

Molecular Formula: $C_{18}H_{14}BrCl_2N_5O_2$

Molecular Weight: 483.2

Composition:

INGREDIENT	CAS NO	PROPORTION
Chlorantraniliprole	500008–45–7	35%
Inert ingredients	Not available	up to 100%

Other ingredients determined not to be hazardous

4. FIRST AID MEASURES

General advice When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Inhalation If symptoms persist, call a physician.

Skin contact Wash off with soap and water.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion: If symptoms persist, call a physician.

Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable Water spray, Foam, Dry chemical,Carbon dioxide(CO2)

Unsuitable High volume water jet

Special hazards arising from the substance or mixture

In the event of fire the following may be released: Hydrogen cyanide (hydrocyanic acid), Carbon dioxide (CO2), Carbon monoxide (CO), Nitrogen oxides(NOx)

Advice for firefighters

Special protective equipment for firefighters：Wear self-contained breathing apparatus and protective suit.

Further information：Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENT RELEASE MEASURES

Personal precautions : Evacuate personnel to safe areas. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Wear suitable protective equipment.

Spill Cleanup : Do not allow to get into surface water, drains and ground water.

Accidental Release Measures : Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing.

Storage Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Keep out of reach of children and animals. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No known occupational limit values.

Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection

Wear respirator with a particle filter mask (protection factor 10) conforming to European Norm EN149FFP2 or EN140P2 or equivalent.

Hand protection

Wear CE Marked (or equivalent) nitrile rubber gloves. 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 conforming to EN166 (Field of Use 5 or equivalent).

Skin and body protection

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.

Hygiene measures

Wash hands immediately after work, if necessary take a shower. Smoking, eating and drinking should be prohibited in the application area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white columnar particles

Odor: NA

pH: 5.0-8.0

Water solubility: Disperse in water

Flash point: No data available

10. STABILITY AND REACTIVITY

Stability : Stable at normal temperatures and storage conditions.

Incompatibility : No data available

Hazardous decomposition products: Hydrogen cyanide (hydrocyanic acid), Carbon dioxide (CO2), Carbon monoxide (CO), Nitrogen oxides(NOx)

Hazardous reactions : Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

The following information is for Chlorantraniliprole TC

Acute toxicity:

Oral Acute oral LD50 for male and female rats >5000 mg/kg.

Skin and eye Acute percutaneous LD50 for male and female rats >5000 mg/kg.

Inhalation LC50 (4 h) for male and female rats >5.1 mg/l.

Skin irritation: Not a skin irritant (rabbits).

Skin sensitization: Not a skin sensitiser (guinea pigs, mice).

Chronic toxicity

NOAEL (18 mo) for male mice 158 mg/kg b.w.

12. ECOLOGICAL INFORMATION

The following information is for Chlorantraniliprole TC

Ecotoxicity:

Birds Acute oral LD50 for bobwhite quail >2250 mg/kg b.w. LC_{50} (5 d) for bobwhite quail and mallard ducks >5620 mg/kg diet.

Fish LC50 (96 h) for rainbow trout >13.8, bluegill sunfish >15.1 mg/l.

Daphnia EC50 0.0116 mg/l.

Algae EC50 for Selenastrum capricornutum >2 mg/l.

Other aquatic spp. EC50 for Lemna gibba >2 mg/l.

Bees LD50 (oral) >104 µg/bee; (contact) >4 µg/bee.

Worms LC50 >1000 mg/kg.

13. DISPOSAL CONSIDERATION

Product: Dispose in accordance with all local, state/provincial and federal regulations. Do not contaminate water, food, or feed by disposal.

Contaminated packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

UN number : 3077

Proper shipping name : Environmentally hazardous substance, solid, n.o.s. (Chlorantraniliprole)

Class : 9

Packing group : III

15. REGULATORY INFORMATION

Follow local and international laws and regulations.

16. OTHER INFORMATION

Version: 1.0

Issue date: Oct. 1, 2026

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 --