



MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: Chlorantraniliprole 200 g/L SC

Product Class: Insecticide

Chemical 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

Formulation: Suspension Concentrate (SC)

Molecular Formula: C₁₈H₁₄BrCl₂N₅O₂

Supplier: Shenzhen Yufull Industries Co., Ltd

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2. HAZARDS IDENTIFICATION

Emergency Overview: When used as directed, this product does not present a hazard to humans or domestic animals.

Potential Health Effects: Do not cause transient eye irritation with tearing, pain or blurred vision.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS No.	Proportions
Chlorantraniliprole	500008-45-7	200g/L min
Other ingredients including		Up to 100%



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4. FIRST AID MEASURES

If on skin: The material is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.

If in eyes: The material is not likely to be hazardous to the eyes, but if contact occurs, flushing the eyes with plenty of water is advisable. Consult a physician if necessary.

If inhaled: No specific intervention is indicated as the material is not likely to be hazardous by inhalation. Consult a physician if necessary.

If swallowed: No specific intervention is indicated as the material is not likely to be hazardous by ingestion. Consult a physician if necessary.

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

5. FIRE FIGHTING MEASURES

Flammable Properties: Not a fire or explosion hazard.

Extinguishing Media: Water spray, foam, dry chemical, CO₂.

Fire Fighting Instructions

If area is exposed to fire and conditions permit, let fire burn itself out. Burning chemicals may produce by-products more toxic than the original material. If product is on fire, wear self-contained breathing apparatus and full protective equipment. Use water spray. Control runoff.

6. ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

Note: Review fire fighting measures and handling (personnel) sections before proceeding with clean-up. Use appropriate personal protective equipment during clean-up. Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus.

Initial Containment

Prevent material from entering sewers, waterways, or low areas. Follow applicable Federal, State/Provincial



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and Local regulations.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container. Do not allow to contaminate ground or surface water systems.

7. HANDLING AND STORAGE

Handling (Personnel): Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Storage: Do not contaminate water, food or feed by storage or disposal. Store above 32 F(0°C) Store product in original container only. Store in a cool, dry place. Do not store in or around the home. Store in a location inaccessible to children and pets.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Keep container tightly closed. Use only with adequate ventilation.

Personal Protective Equipment

Applicators and other handlers must wear: Long-sleeved shirt, long pants, shoes plus socks. After the product has been diluted in accordance with label directions for use, shirt, pants, socks, and shoes are sufficient personal protective equipment.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment(PPE). If no such instructions for washables are available, use detergent and hot water.Keep and wash PPE separately from other laundry.

Applicable Exposure Limits

10 mg/m³, 8 & 12 Hr. TWA, total dust

5 mg/m³, 8 & 12 Hr. TWA, respirable dust

9. PHYSICAL AND CHEMICAL PROPERTIES



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Form : Liquid, suspension

Color : White

Odor : Alcohol-like

pH : 5.0 - 9.0 at 10 g/l

Oxidizing Substance : The product is not oxidizing.

Specific gravity : 1.08 - 1.10

Water solubility : dispersible

Solubility : slightly soluble

Viscosity : 400 - 800 mPa.s 30 rpm

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials: No materials to be especially mentioned.

Decomposition: Nitrogen oxides, carbon monoxide and unidentified organic compounds may be formed upon combustion.

Polymerization: Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Inhalation 4 h LC50 : > 2 mg/l , Rat

Dermal LD50 : > 5,000 mg/kg , Rat

Oral LD50 : > 5,000 mg/kg , Rat

Skin irritation : No skin irritation, Rabbit

Eye irritation : No eye irritation, Rabbit

Carcinogenicity : Animal testing did not show any carcinogenic effects. Not classifiable as a human carcinogen.

Mutagenicity : Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.



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Reproductive toxicity : No toxicity to reproduction Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed no developmental toxicity.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity

96 h LC50 : *Lepomis macrochirus* (Bluegill sunfish) > 9.9 mg/l

72 h ErC50 : *Pseudokirchneriella subcapitata* (green algae) > 20 mg/l

48 h EC50 : *Daphnia magna* (Water flea) 0.035 mg/l

Additional ecological information : Environmental Hazards: Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. See product label for additional application instructions relating to environmental precautions.

13. DISPOSAL CONSIDERATION

Waste Disposal

Do not contaminate water supply, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Environmental hazards:

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to inter-tidal areas below the mean high water mark. Do not contaminate water when disposing of equipment rinsate. Do not apply where/when conditions could favor runoff. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

Container Disposal

For Plastic Containers: Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Containers (non aerosol): Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved State and local



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procedures.

14. TRANSPORT INFORMATION

UN Number: 3082

UN proper shipping name: Environmentally Hazardous Substance, Liquid.

Transport hazard Class: 9

Packing group: III

Marine pollutant: Yes

15. REGULATORY INFORMATION

Hazard Classification:

Xn

Risk Phrases:

R22: Harmful if swallowed

Safety Phrases:

S2: Keep out of children

S9: Keep in well-ventilated place

S20/21: When using do not eat, drink or smoke

S24/25: Avoid contact with skin and eye

S29: Do not empty into drains

16. OTHER INFORMATION

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.