

#### 1: IDENTIFICATION

Chemical Name	3-bromo-N-[4-chloro-2-methyl-6-(methylcarbamoyl)phenyl]-1-(3-chloro-2-pyridinyl)pyrazole-5-carboxamide		
Synonyms	Chlorantraniliprole 18.4 % SC		
Uses	Insecticide	Trade Name	<b>RAPIGEN SC</b>
Manufacturer/Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	info@agrostar.in

#### 2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS #	Percent or Content (w/w)
Chlorantraniliprole	500008-45-7	18.4 %
Other ingredients	-	81.8 %

#### 3: HAZARD IDENTIFICATION

Hazard Classification:	Acute aquatic toxicity: Category 1	Chronic aquatic toxicity: Category 1
Human Health Hazard:	Not classified as a hazardous substance or mixture according to the OSHA Hazard Communication Standard 2012	
Environmental Hazard:	H410: Very toxic to aquatic life with long lasting effects. H400 Very toxic to aquatic life	

#### 4: FIRST AID MEASURES

**General:** This product is not likely to be hazardous but follow the below instruction in case is advisable. Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.

**Inhalation:** Move patients to fresh air and keep warm and at rest in a position comfortable for breathing. Treat respiratory difficulty with artificial respiration and oxygen. Immediately seek medical attention if symptoms are severe or persist

**Ingestion:** Rinse mouth with water thoroughly and give plenty of water to drink. Seek medical attention or poison control center immediately and show this container or label.

**Skin Contact:** In case of contact with product, gently wipe excess product and wash immediately skin area with plenty of water and soap. Remove and isolate contaminated clothing and shoes. Seek medical attention if irritation persists.

**Eye Contact:** Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

**Note to Physician:** No specific Antidote. Treat symptomatically.

#### 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Water spray, alcohol-resistant foam, dry chemical powder or carbon dioxide

**Unsuitable Extinguishing Media:** Solid water stream, as it may scatter and spread the fire

**Specific Hazards:** Not flammable

**Hazardous Thermal (de)composition:** No hazardous decomposition products are known.

**Special Procedures:** Collect extinguishing water separately and do not discharge into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers with water spray. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

**Protection of Fire Fighters:** Do not breathe a fumes, Wear fire/flame resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection...

#### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing. Use personal protective equipment. Evacuate personnel to safe areas and keep them away from and upwind of spill/leak.

**Environmental Precaution:** Do not allow runoff to enter drains and public waters. Notify the authorities if product enters.

**Methods for Cleaning-up:** Adsorb spillages sawdust, sand, oil dry or other absorbent material. Collect and transfer into waste disposal containers. Clean contaminated floors and objects thoroughly with water and detergents. Never return spills in original containers for re-use. Dispose of in accordance with local regulations. Wear suitable protective equipment.

#### 7: HANDLING & STORAGE

**Handling:** Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with mild soap and water before and after handling material. Wear protective equipments to avoid contact and/or inhalation with the product. Wash clothing and equipment before reuse. Good personal hygiene procedures must be practiced.

**Specific Conditions:** Good local exhaust ventilation.

**Storage:** Store in dry, cool, well-ventilated area. Keep in original container and tightly closed when not in use. Keep product away from seeds, fertilizer, foods and animal feeds. Storage temperature should be > 0 °C

## 8:EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Measures:** Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

**General Protection:** Avoid breathing dust, vapours or aerosols. Avoid contact with eyes and skin. While handling the product wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

**Personal Protection:** Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

**Respiratory Protection:** Use NIOSH/MSHA approved respiratory protection equipment with dust/mist cartridge where airborne concentrations are expected to exceed exposure limits.

**Skin Protection:** Wear suitable protective clothing, including long sleeved shirt, long pants, gloves, coveralls, and boots to avoid skin contact.

**Hand Protection:** Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

**Eye Protection:** Safety glasses with side-shields. Safety showers and eyewash should be easily available.

**Others:** Wash clothing before reusing.

## 9:PHYSICAL/CHEMICAL PROPERTIES

**Appearance:** Liquid , suspension      **pH:** 5.0-9.0      **Physical State:** Liquid      **Flash Point [°C]:** No flash up to boiling point.

**Colour:** White      **Specific gravity/density[g/cc]:** 1.08 - 1.10      **Odour :** Alcohol-like      **Solubility in water:** Dispersible

## 10:STABILITY & REACTIVITY

**Stability:** Stable under normal circumstances.      **Conditions to Avoid:** No decomposition if used as directed

**Hazardous Decomp. Products:** On combustion, nitrogen oxides, carbon monoxide and unidentified organic compounds may be released

**Materials to Avoid:** None reasonably foreseeable.

## 11: TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg] : >5000      Rat inhalation LC50 [mg/l/4h] : >2      Skin irritation (rabbit): Non-irritant

Dermal (rat) LD50 [mg/kg]: >5000      Skin Sensitization (Guinea Pig): Non-sensitizer      Eye irritation (rabbit): Non-irritant

## 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

Bluegill sunfish LC50 (96 hrs)[mg/L]: >9.9      Daphnia magna EC50(48 hrs) [mg/L]: >0.035      Algae EC50 (72 h) [mg/L]: >20

**Bio-accumulation Potential:** No data available

**Persistence, Degradability and Mobility in soil:** No data available

## 13: DISPOSAL CONSIDERATION

**Waste-disposal Procedures:** Dispose of this product only according to the label. Do not contaminate drains, streams, rivers or waterways with the chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

**Contaminated Packaging:** Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the product. Do not reuse the empty container

## 14: TRANSPORT INFORMATION

**UN No.** 3082      **Proper Shipping Name:** Environmentally Hazardous Substance, Liquid, N.O.S (Chlorantraniliprole)

**Land Transport (ADR/RID):** Class-9, Packing Group-III

**Sea Transport (IMO) (IMDG):** Class-9, Packing group-III, Marine Pollutant-Yes, Hazchem Code: .3Z

**Air Transport (IATA / ICAO):** Class-9 Packing group-III, Environmental hazard mark-Yes

## 15: REGULATORY INFORMATION

**Hazard Symbol:** GHS09

**H- Statement:** H400, H410

## 16: OTHER INFORMATION

**DISCLAIMER OF LIABILITY** The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

----- END -----