

# EAST AFRICAN BUSINESS COMPANY LIMITED



P. O. Box: 29024 - 00100 Nairobi - Kenya  
Office Line: +254 20 240 3391/+254 717 742 436 /+254 740 529 579  
Email: info@eabusinesscompany.com, eabclimited@gmail.com  
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## MATERIAL SAFETY DATA SHEET **Convoy 20% SC**

### 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

<b>Identification of the substance</b>	: Chlorantraniliprole 20% SC
<b>Use of the substance</b>	: Insecticide
<b>Manufacturer/supplier</b>	: Tagros Chemicals India Private Limited
<b>Address</b>	: "Tagros House", 4th Floor, No. 4 (Old. 10), Club House Road, Anna Salai, Chennai 600002, Tamilnadu, India
<b>Emergency telephone number</b>	: +91-44-42007400
<b>Fax number</b>	: +91-44-28587873
<b>E-mail</b>	: info@tagros.com

### 2. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW

<b>Eyes</b>	: Cause eye irritation, may cause redness and tearing.
<b>Skin</b>	: Harmful if absorbed, may cause redness, irritation and swelling.
<b>Ingestion</b>	: Harmful if swallowed. Danger of serious damage to health by prolonged exposure if swallowed.
<b>Inhalation</b>	: Harmful by inhalation. Avoid breathing sprays mist.
<b>Environment</b>	: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Location

| Sapna Business Park (SBP) | |Kyang'ombe Road | OFF ICD Road | |Nairobi - Kenya |



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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Con. % w/v
Chlorantraniliprole (ISO); 3-bromo-4'-chloro-1-(3-chloro- 2-pyridyl)-2'-methyl-6'- (methylcarbamoyl)pyrazole- 5carboxanilide	500008-45-7	20.0
Others	---	80.0

## 4. FIRST AID MEASURES

<b>Contact with eyes</b>	:	Rinse immediately with plenty of water keeping eyelids open. Seek medical advice and show the container or this material safety data sheet.
<b>Contact with skin</b>	:	Carefully remove contaminated clothing. Wash affected area with soap and water. Seek medical aid if required.
<b>Ingestion</b>	:	If swallowed do not induce vomiting; seek medical advice immediately and show this container or label Keep the person calm and comfortable.
<b>Inhalation</b>	:	If inhaled, remove to fresh air and keep at rest. Obtain medical aid if required.

## 5. FIRE FIGHTING MEASURES

<b>Flash point</b>	:	Non-flammable
<b>Extinguishing media</b>	:	If product is involved in a fire, use water spray, foam, dry powder, carbon dioxide or sand
<b>Special exposure hazards</b>	:	Gives off irritating or toxic <b>fumes</b> (or gases) in a <b>fire</b> .
<b>Protective equipment for fire-fighting</b>	:	Do not breathe fumes. Wear self contained breathing apparatus.



**Fire fighting guidance :** Whenever Chlorantraniliprole is involved in a major fire, advise the fire service to wear protective clothing and breathing apparatus. Inform the fire service and other relevant authorities that Chlorantraniliprole is toxic for fish, and that water should be used only to cool unaffected stock. In this way, the accumulation of polluted run-off from the site is prevented.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions :** Avoid contact with spilled material or contaminated surfaces. If ordinary clothing becomes contaminated remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing as detailed in section 8.
- Environmental precautions :** Keep people and animals away. Prevent entry into drains, sewers and watercourses.
- Methods for cleaning up :** Absorb spillage on sand/earth or in a suitable inert material. Transfer collected material to heavy-duty plastic drums and keep safe for disposal.

## 7. HANDLING AND STORAGE

- Handling :** No special measures are necessary provided the product is used correctly. When using does not eat, drink or smoke.
- Storage :** Store in original containers. Store in areas that are cool, dry and well ventilated. Store away from seeds, fertilizers and animal feed stuff.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure limit value :** ADI: 1.56 mg/kg bw (2016)
- Engineering controls :** Mechanical ventilation should be used when handling this product in closed spaces.

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- Respiratory protection** : NIOSH approved organic vapor respirator in absence of mechanical ventilation.
- Hand protection** : Wear chemical resistant PVC or nitrile gloves.
- Eye protection** : Wear safety goggles with imperforated side shield and face shield.
- Skin protection** : Avoid contact with skin. Wear apron, boots and full protective suit.
- Environmental exposure controls** : Keep away from food, drink and animal feed stuff. This material and its container must be disposed off as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid
- Color** : Opaque appearance with beige color
- Odour** : Characteristic
- Molecular Weight** : 483.15 g/mole
- Flash point** : Non-flammable
- Solubility in water** : Forms a suspension in water
- Density** : 1.0964 g/ml @ 20 ± 0.5°C
- Persistent Foam** : Nil
- pH** : 6.83 at 20 ± 10C

## 10. STABILITY AND REACTIVITY

- Stability** : Stable for two years at ambient conditions.





- Conditions to avoid** : Avoid excessive heat and flame.
- Materials to avoid** : No substances known that should be avoided.

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## 11. TOXICOLOGICAL INFORMATION

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- Acute toxicity** :
- Rat LD<sub>50</sub> oral, Rats** : LD<sub>50</sub>: >2000 mg/kg bw
- Rat LD<sub>50</sub> dermal, Rats** : LD<sub>50</sub>: >2000 mg/kg bw
- Rat LC<sub>50</sub> inhalation, Rats** : LC<sub>50</sub>: >2.218 mg/l 4 hr
- Skin irritation** : Non-irritant to skin of rabbits
- Eye irritation** : Non-irritant to eye of rabbits
- Skin sensitization** : Non-sensitizing
- Long term studies**
- Carcinogenicity** : Non-carcinogenic in rats
- Mutagenicity** : Non-mutagenic.
- Reproductive toxicity** : Not a reprotoxic in rats.
- Teratogenicity toxicity** : Non-teratogenic effects in rats.

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## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

- Rainbow trout, 96 hours** : LC<sub>50</sub> : >13.8 mg/l (Chlorantraniliprole)
- Daphnia spp., 48 hours** : EC<sub>50</sub>: 0.116 mg/l (Chlorantraniliprole)
- Green Alga, 96 hours** : EC<sub>50</sub>: >2 mg/l (Chlorantraniliprole)

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- Honey bee** : 48 hr LD<sub>50</sub>: >4 µg/bee (Contact)
- Earthworm** : LC<sub>50</sub> of 632.5 mg/kg bw
- Mobility** : Chlorantraniliprole has moderately mobile.
- Persistence and degradability** : Degrades in the environment with DT50 <2-12 mo; shorter half lives occur with crop cover. Sequestered in soil and so has limited mobility. Degradation is mainly chemical with a single major degrades which is not active and does not leach. Koc 244-464 ml/g.

## 13. DISPOSAL CONSIDERATIONS

- Product disposal** : Do not empty into drains or waterways. Disposal of product would usually be by incineration in an appropriate licensed commercial incinerator. Advice may be obtained from local waste regulation authorities.
- Container disposal** : Lightly contaminated packaging may be accepted for landfill, otherwise incineration will be required. Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

- UN number** : 3082
- UN class** : 9
- UN packaging group** : III
- Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorantraniliprole)
- Additional information** : Chlorantraniliprole is a marine pollutant

## 15. REGULATORY INFORMATION



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<b>Classification</b>	: Xn: Harmful N: Dangerous for the environment
<b>Risk Phrases</b>	: R20/22: Harmful by inhalation and if swallowed. R36: Irritating to the eyes. R37: Irritating to respiratory system R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed. R50/53: Very toxic to aquatic organisms may cause longterm adverse effects in the aquatic environment.
<b>Safety Phrases</b>	: S1/2: Keep locked up and out of the reach of children S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28: After contact with skin, wash immediately with plenty of water S36/37: Wear suitable protective clothing and gloves S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). S60: This material and its container must be disposed off as hazardous waste.
<b>Reference regulation</b>	: Chlorantraniliprole has been reviewed under Directive 91/414/EEC & Directive 98/8/EC.

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## 16. OTHER INFORMATION

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MSDS first issued	: 12.03.2019
MSDS data revised	: 03.05.2023

### DISCLAIMER

The above information is intended to give general health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the substance or product for which purposes the substance or product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with. The requirement or recommendation of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted for any injury loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

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