

Safety Data Sheet

Issue No: 1.0	1 st Edition: 26 July 2018
---------------	---------------------------------------

1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product Name: **Constrictor 250 EC**

Recommended Use: Agricultural fungicide

Supplier: ICA International Chemicals (Pty) Ltd

Address: 28 Planken Street
Plankenbrug Industrial
STELLENBOSCH · 7600 · SOUTH AFRICA

Telephone No: +27 (0) 21 886 9812

Fax No: +27 (0) 21 886 8209

Emergency Tel No: Griffon Poison Information Centre +27 82 446 8946
Poisons Helpline 0861 555 777

2. HAZARD IDENTIFICATION ON PRODUCT

GHS classification of product Acute toxicity – Category 3 (Inhalation mist)
Skin irritation – Category 2
Eye irritation— Category 2b
Hazardous to the aquatic environment (acute) – category 1
Hazardous to the aquatic environment (chronic) – category 1

GHS Label elements



Signal Word

Danger

Hazard Statements

H331: Toxic if inhaled
H315: Causes skin irritation
H303: May be harmful if swallowed
H320 Causes eye irritation
H410: Very toxic to aquatic life with long lasting effects

Precautionary Statements

P101 If medical advice is needed: Have product container or label at hand
P102 Keep out of reach of children
P103 Read label before use
P261 Avoid breathing mist and spray
P264 Wash thoroughly after handling
P271 Use only outdoors or in a well ventilated area
P273 Avoid release to the environment
P280 Wear protective gloves/face protection/protective clothing
P284 In case of inadequate ventilation wear respiratory protection
P301 + P312 IF SWALLOWED: Call a poison centre/doctor if you feel unwell
P302 + P352 If on skin, wash with plenty of water
P304 +340 If inhaled remove person to fresh air and keep comfortable for breathing
P305 + P351 + P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
P311: If inhaled: Call a POISON CENTER/ doctor.
P330 If in mouth, rinse mouth with plenty of water
P337 +P313 If eye irritation persist: Get medical attention
P313 + P332 If skin irritation occurs: Get medical attention/advice
P362 + P364 Take of contaminated clothing and wash it before reuse
P391 Collect spillage
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up
P501 Dispose of content/container in accordance to local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(s)	CAS NO:	Concentration (g/l)
Pyraclostrobin	175013-18-0	250
Inerts		750

4. FIRST AID MEASURES

Show this SAFETY DATA SHEET to a doctor.

INGESTION:

- DO NOT induces vomiting.
- Rinse mouth with water. Have person sip a glass of water if able to swallow.
- PREVENT vomit from entering lungs.
- Get medical advice immediately.

INHALATION:

- Treat symptomatically. Remove patient from source of exposure and move to fresh air.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Get medical advice immediately.

EYES:

- Treat symptomatically. Remove any contact lenses. Rinse eyes immediately with plenty of clean water for at least 15 minutes. Hold eyelids apart while flushing.
- Seek medical help if irritation continues.

SKIN:

- Treat symptomatically. Remove contaminated clothing and take a shower.
- Rinse affected areas (skin) immediately with plenty of water.
- If skin irritation occurs: Get medical attention/advice

NOTE TO PHYSICIAN:

- Treat symptomatically.

POTENTIAL HEALTH AFFECTS:

- No significant adverse effects expected.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

- Dry powder, foam, water spray.

HAZARDS FROM COMBUSTION PRODUCTS:

- In a fire, formation of oxides of carbon, sulphur and nitrogen can be expected.

PRECAUTIONS FOR FIRE FIGHTERS:

- Fire fighters should wear full protective gear including self-containing breathing apparatus.

HAZCHEM CODE:

- No code has been assigned

Further information:

- If possible, safely remove intact containers from the fire.
- Keep containers cool by spraying with water if exposed to fire
- Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.
- Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
- In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK:

- Avoid contact with spilled material or contaminated surfaces.
- DO NOT eat, drink or smoke.
- Wear personal protective clothing and equipment (see section 8). Keep people and animals away.
- PREVENT spilled material from entering drains or sewer systems. Dike and bund area with sand/earth to prevent contamination of drains or sewers.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

- Wear suitable protective clothing (Dust mask; Eye shields, Gloves)
- No special measures necessary if stored and handled correctly.
- Ensure thorough ventilation of stores and work areas

- Wash hands, arms and face after use. Wash gloves and contaminated protective clothing daily.
- CONDITIONS FOR SAFE STORAGE:**
- Store out of reach of children, tightly closed in original containers, which include the complete label, in a cool, dry and well ventilated area out of direct sunlight.
 - Segregate from foods and animal feeds.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

AOEL: Acceptable Operator Exposure Level - Systemic 0.015 mg kg⁻¹bw day⁻¹

ENGINEERING CONTROLS: Facilities should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTIVE EQUIPMENT: Wear suitable protective clothing which include dust mask; eye shields and gloves (Chemical-resistant gloves made of any waterproof material such as nitrile, butyl, neoprene and/or barrier laminate).

Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium efficiency for solid and liquid particles

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (colour; physical form)	Yellow liquid
ODOUR:	Aromatic odour
pH (1 % in water)	5 – 7 (5.6)
DENSITY:	~ 1.02 g/mℓ
FLASH POINT	68 °C
FOAMING 50 mℓ/100 ℓ water	After 12 minutes, 10 mℓ
WET SIEVE TEST	< 0.1 %

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under normal conditions of use
CONDITIONS TO AVOID:	Excessive heat, freezing

11. TOXICOLOGICAL INFORMATION

ANIMAL ACUTE TOXICITY DATA

ORAL:	LD ₅₀ (rat)	>5 000 mg/kg. (Unclassified)
DERMAL:	LD ₅₀ (rats)	> 2 000 mg/kg bw.
INHALATION:	LC ₅₀ (4h) rat	4.07-7.3 mg/ℓ mg/ℓ (Acute toxicity category 3)
SKIN:	Causes skin irritation	Skin irritation (category 2)
EYES	Causes eye irritation (Reversible 7 days)	Eye irritation (category 2B)

Not a skin sensitizer. Not mutagenic, unlikely to be genotoxic, unlikely to pose a carcinogenic risk to humans.

12. ECOLOGICAL INFORMATION (a.i.)

ECOTOXICITY:	Birds: LD ₅₀ (oral)	<i>Colinus virginianus</i> - Acute (mg kg ⁻¹) > 2000 (Low)
	Fish: LC ₅₀ (96h)	<i>Oncorhynchus mykiss</i> (mg ℓ ⁻¹) 0.006 (High)
	Daphnia: EC ₅₀ (48h)	(mg ℓ ⁻¹) 0.004 (High)
	Bees	Acute contact 48 hour LD ₅₀ (μg bee ⁻¹) > 100 (Low) Acute oral 48 hour LD ₅₀ (μg bee ⁻¹) > 73.1 (moderate)
	Earthworms: LC ₅₀ (14d)	Acute 14 day LC ₅₀ (mg kg ⁻¹) = 567 (moderate)
PERSISTENCE, DEGRADABILITY and MOBILITY:	Soil DT ₅₀ field = 32	
	DT ₉₀ = 157	
	Aqueous photolysis DT ₅₀ (days) at pH 7 = 1.7	
	Water-sediment DT ₅₀ (days) = 28	
	Water phase only DT ₅₀ (days) = 2	

13. DISPOSAL CONSIDERATIONS

On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities.

Invert empty container over mix or spray tank and allow draining for at least 30 seconds until flow has slowed to a drip. Triple rinse the empty container with clean water equal to a minimum of 30 % of the volume of the container. Add rinsing to the contents of the spray tank. Replace cap and return clean container to recycler. . If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. Do not use container for any other purpose.

DO NOT burn empty containers or product.

DIP Disposal: According to local legislative requirements

14. TRANSPORT INFORMATION

UN NUMBER:	3082
PROPER SHIPPING NAME:	Environmentally hazardous substance, liquid, n.o.s. (contains pyraclostrobin), liquid
CLASS AND SUBSIDIARY RISK(S):	Class 9
PACKING GROUP:	III (minor danger)
HAZCHEM CODE:	2Z
Tel No:	+27 (0) 21 886 9812

15. REGULATORY INFORMATION

South African Registration number L10457, Act No. 36 of 1947

16. OTHER INFORMATION

This Safety Data Sheet (SDS) summarises 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 SDS and consider the information in the context of how to prevent accidents in the normal workplace including in conjunction with other products.

The information was obtained from sources which we believe are reliable. However, the information is provided in good faith. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and for this 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 SDS was prepared and is to be used for this product only.

END of SDS