

Safety Data Sheet

Issue No: 1.4	Revision date: 24 May 2021
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1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product Name: **Tutor 500 SC**
 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 as SOLD
 Acute Oral Toxicity Category 5
 Acute Dermal Toxicity Category 5
 Inhalation Toxicity Category 5
 Acute Aquatic Toxicity Category 1
 Chronic Aquatic Toxicity Category 1

GHS Label elements



Signal Word

Warning

Hazard Statements

H303: May be harmful if swallowed
 H313: May be harmful in contact with skin
 H333: May be harmful if inhaled
 H400: Very toxic to aquatic life.
 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 carefully and follow all instructions.
 P261: Avoid breathing mists/vapours/spray.
 P264: Wash hands thoroughly after handling.
 P273: Avoid release to the environment.
 P301 + P317 IF SWALLOWED: Get medical help.
 P302 + P317 IF ON SKIN: Get medical help.
 P304+312: IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P391: Collect spillage.
 P501: Dispose of container and contents in accordance with local and national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(s)	CAS NO:	Concentration (g/l)
Pyrimethanil	53112-28-0	400
Fludioxonil	131341-86-1	100
Inerts	Not Available	Balance

4. FIRST AID MEASURES

Show this SAFETY DATA SHEET to a doctor.

- 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.
- SKIN CONTACT:**
 - Treat symptomatically. Remove contaminated clothing and take a shower.
 - Rinse affected areas (skin) immediately with plenty of water.
- EYE CONTACT:**
 - 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.
- INGESTION:**
 - Not considered as harmful with normal exposure, but if swallowed, DO NOT induce vomiting. Have person sip a glass of water if able to swallow.
 - If vomiting does occur, keep on giving fluids. Get medical advice.
- MEDICAL ATTENTION:**
 - Treat symptomatically.
- POTENTIAL HEALTH AFFECTS:**
 - No significant adverse effects expected.

5. FIRE FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA:**
 - As this product is not combustible, use extinguishing agent for the surrounding fire.
- HAZARDS FROM COMBUSTION PRODUCTS:**
 - In a fire, formation of oxides of carbon and nitrogen can be expected.
- PRECAUTIONS FOR FIRE FIGHTERS:**
 - Fire fighters should wear full protective gear including self-contained breathing apparatus. If possible, safely remove intact containers from the fire.
- HAZCHEM CODE:**
 - No code has been assigned

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)
 - Wash hands, arms and face after use. Wash gloves and contaminated protective clothing daily.
 - DO NOT re-use the container for any other purpose.
- 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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- AOEL: Fludioxonil** AOEL Acceptable Operator Exposure Level EU - 0.59 mg kg⁻¹ bw day⁻¹
- AOEL: Pyrimethanil** AOEL Acceptable Operator Exposure Level EU - 0.13 mg kg⁻¹ bw day⁻¹
- ADI: Fludioxonil** Acceptable Daily Intake EU – 0.37 mg kg⁻¹ bw day⁻¹
- ADI: Pyrimethanil** Acceptable Daily Intake EU – 0.17 mg kg⁻¹ bw day⁻¹
- ENGINEERING CONTROLS:** Facilities should be equipped with an eyewash facility and a safety shower. It is important to provide adequate ventilation (local exhaust ventilation system). Comply with occupational safety, environmental, fire and other applicable regulations.
- PERSONAL PROTECTIVE EQUIPMENT:** Wear suitable protective clothing which include chemical-resistant footwear, gloves and NIOSH/MSHA self-containing breathing apparatus. Where exposure through inhalation may occur when handling and/or when preparing the spray mixture, wear a face mask. The use of eye shields and gloves (chemical-resistant gloves made of any waterproof material such as nitrile, butyl, neoprene and/or barrier laminate) is recommended.
- AOEL:** AOEL Acceptable Operator Exposure Level EU - 0.59 mg kg⁻¹ bw day⁻¹
- ADI:** Acceptable Daily Intake – 0.37 mg kg⁻¹ bw day⁻¹

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (colour; physical form)	White to light beige liquid
ODOUR:	Slight sweet chemical odour
pH (1 % in water)	6 – 8
DENSITY:	~ 1.10 g/mℓ
VISCOSITY	1000 – 1300 mPa/s-
POURABILITY	~2.5 %
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 (ATE)

ORAL:	LD ₅₀ (rat)	5 000 mg/kg. (Unclassified)
DERMAL:	LD ₅₀ (rats)	> 2 000 mg/kg bw. (Not a skin irritant)
INHALATION:	LC ₅₀ (4h) rat	> 2.808 mg/ℓ (No classification)

None irritating to skin and eyes, 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)	Mallard ducks > 2000 mg/kg; Pyrimethanil (a.i.) Bobwhite quail > 2000 mg/kg. Pyrimethanil (a.i.) Mallard ducks > 2000 mg/kg; Fludioxonil (a.i.) Bobwhite quail > 2000 mg/kg. Fludioxonil (a.i.)
	Fish: LC ₅₀ (96h)	Mirror carp 35.4 Pyrimethanil (a.i.) Rainbow trout 10.14 mg/ℓ Pyrimethanil (a.i.) Rainbow trout 0.23 mg/ℓ Fludioxonil (a.i.) Bluegill Sunfish 0.74 mg/ℓ Fludioxonil (a.i.)
	Daphnia: LC ₅₀ (48h)	2.9 mg/ℓ Pyrimethanil (a.i.) 0.4 mg/ℓ Fludioxonil (a.i.)
	Bees:	LD ₅₀ (oral and contact) = 100 µg a.i./bee
	Earthworms: LC ₅₀ (14d)	625 mg/kg Pyrimethanil (a.i.) dry soil. >1000 mg/kg Fludioxonil (a.i.) dry soil
PERSISTENCE, DEGRADABILITY and MOBILITY:		Fludioxonil (soil) has a low potential for leaching (non-mobile) DT ₅₀ soil 100 – 365 days. Pyrimethanil (soil) Low potential for leaching to groundwater, moderately mobile DT ₅₀ soil (dark) 27.9 – 71.8 days.

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 pyrimethanil + fludioxonil)

CLASS AND SUBSIDIARY RISK(S): Class 9
PACKING GROUP: III (minor danger)
HAZCHEM CODE: None allocated
Tel No: +27 (0) 21 886 9812

15. REGULATORY INFORMATION

South African Registration number L9948, Act No. 36 of 1947
Revision 1:4 Minor amendments
SDS Valid for five years from date of issue.

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