

Safety Data Sheet

Issue No: 1.1	Issue Date: August 2020
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1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product Name: **ICA Thiabendazole 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 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.

Precautionary Statements

H410: Very toxic to aquatic life with long lasting effects.
 P101: If medical advice is needed: Have product container or label at hand.
 P102: Keep out of reach of children, uninformed persons and animals.
 P273: Avoid release to the environment.
 P280: Wear protective gloves, protective clothing, eye protection, face protection.
 P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P302 + P312: IF ON SKIN: call a POISON CENTER/doctor if you feel unwell.
 P304 + P312: IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
 P308 + P313: IF exposed or concerned: Get medical advice/attention.
 P362+364: Take off contaminated clothing and wash it before reuse. [
 P391: Collect spillage.
 P405: Store locked up.
 P501: Dispose of container and contents in accordance with local/national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classification a.i.
 Regulation (EC) No 1272/2008

INGREDIENT(s)	CAS NO:	Concentration (g/ℓ)	Hazard Class and category code:	Hazard Statement	Pictogram Signal Word Code(s):
Thiabendazole	148-79-8	500	Aquatic Acute 1 Aquatic Chronic 1	H400 H410	GHS09 Wng
Formulation components at non-hazardous concentrations		To 1000			

4. FIRST AID MEASURES

Show this SAFETY DATA SHEET to a doctor.

- INGESTION:** · If swallowed, DO NOT induce vomiting, unless instructed so. Immediately get medical advice/attention.
- INHALATION:** · If inhaled removed to fresh air and keep at rest. If signs of poisoning occur obtain medical attention immediately.
- EYES:** · Rinse eyes IMMEDIATELY with clean water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing while holding eyelids apart. Seek medical assistance if irritation persists.
- SKIN:** · Remove all contaminated clothing immediately. Rinse affected areas (skin) immediately with plenty of water/shower. Wash contaminated clothing before re-use.
- NOTE TO PHYSICIAN:** · Treat symptomatically.

5. FIRE FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA:** · Water spray, alcohol-resistant foam, dry chemical, carbon dioxide. Use as little water as possible to prevent spreading.
- HAZARDS FROM COMBUSTION PRODUCTS:** · Carbon monoxide, carbon dioxide, hydrochloric acid, nitrogen oxides.
- PRECAUTIONS FOR FIRE FIGHTERS:** · Fire fighters should wear full protective gear including self-containing breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.
- HAZCHEM CODE:** · 2X
- 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

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled material or contaminated surfaces. Wear personal protective clothing and equipment (see section 8). Keep people and animals away.

6.2 Environmental precautions

Keep people and animals away from and upwind of spill/leak. Keep out of lakes, streams, ponds, and sewer drains.

6.3. Methods and material for containment and cleaning up: Contain spillage. Absorb spills with inert material and place in waste containers. Materials such as sand, soil or sawdust can be used. Spill residues may be cleaned using water and detergent. Contain and absorb water for disposal. Dispose of waste safely, according to local Council regulations. If the product contaminates rivers and dams or drains inform respective authorities.

6.4. Reference to other sections: For personal protection see section 8.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Wear suitable protective clothing (Dust mask; Eye shields, Gloves)
No special measures necessary if stored and handled correctly. This product may be harmful if swallowed, inhaled or absorbed through the skin.
Keep away from heat, protect from sunlight and from freezing.
Ensure thorough ventilation of stores and work areas
Wash hands, arms and face after use. Wash gloves and contaminated protective clothing daily.

7.2 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 food, drink and animal feeds. Physically and chemically stable for at least 2 years when stored in the original unopened container at ambient temperatures.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

ADI (mg/kg bw/day)	0,10
ARfD	0.10
AOEL (mg/kg bw/day ¹)	0.07
Other	0.1 ARfD 0,3 (women of child-bearing age)
ENGINEERING CONTROLS:	Facilities should be equipped with an eyewash facility and a safety shower.
PERSONAL PROTECTIVE EQUIPMENT:	Wear suitable protective clothing which include chemical-resistant footwear. Particulate respirator; close fitting eye goggles and elbow-length PVC or nitrile gloves.
Eye Protection:	Close-fitting protective goggles (e.g. closed goggles).
Skin and Body Protection:	Use protective clothing/face shield if necessary.
Hand protection:	Wear elbow-length PVC or nitrile gloves.
Respiratory Protection:	Wear suitable respiratory equipment.
Hygiene measure:	Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (colour; physical form)	Homogenous White Liquid
ODOUR:	Slight Chemical Odour
PH	7.69
PH (1 % IN DISTILLED WATER):	7.58
DENSITY	1.157
BOILING POINT	100.5 – 106.3 °C
FLASH POINT	No flashpoint below 80 °C
VISCOSITY@ 20 ± 2°C, 10 rpm, spindle LV-3	1944 mPa/s
SOLUBILITY IN WATER:	pH 7 : 132 mg/ℓ at 20 °C
COMPATABILITY:	Not compatible with oxidising materials

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Water soluble, stable to hydrolysis, photo degrades relatively slow. Not expected to volatilize.
CONDITIONS TO AVOID:	Excessive heat, freezing, sunlight, open flames and heat.

11. TOXICOLOGICAL INFORMATION

ANIMAL ACUTE TOXICITY DATA FOR PRODUCT

ORAL:	LD ₅₀ (rat)-male	> 2000 mg/kg
DERMAL:	LD ₅₀ (rats)	> 2000 mg/kg bw
INHALATION:	LC ₅₀ (4h) rat	> 5.194 mg/ℓ air
SKIN:		Not classified as a skin irritant
EYES:		Not classified as an eye irritant
SKIN SENSITIZER		Not considered as positive

12. ECOLOGICAL INFORMATION (a.i.)

ECOTOXICITY:	Birds: LD ₅₀ (oral)	<i>Colinus virginianus</i> > 2250 mg/kg
	Fish: LC ₅₀ (96h)	<i>Oncorhynchus mykiss</i> 0.55 mg a.i./ℓ
	Daphnia: LC ₅₀ (48h)	0.81 mg/ℓ
	Algae 72-hour EC ₅₀	<i>Raphidocelis subcapitata</i> 9.0 mg/ℓ (growth)
	Bees	Acute contact 48 hour LD ₅₀ (μg bee ⁻¹) >34 Acute oral 48 hour LD ₅₀ (μg bee ⁻¹) 4.0

Earthworms: LC₅₀ (14d) > 1000 mg/kg
PERSISTENCE, DEGRADABILITY and MOBILITY: Soil DT₅₀ typical = 500 days
Mobility in soil: Slightly mobile

13. DISPOSAL CONSIDERATIONS

Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities. Do not use container for any other purpose. DO NOT burn empty containers or product.

14. TRANSPORT INFORMATION

UN NUMBER: 3082
PROPER SHIPPING NAME: Environmentally hazardous substance, liquid, n.o.s. (contains thiabendazole 50%), 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 Africa Act 36/1947 registration number L7784

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.

This MSDS is valid for three years from date of issue

SDS Preparation date 11 August 2020
END of SDS