

# Safety Data Sheet

Issue No: 5.3	Issue Date: 28 July 2021	Issued by: ICA International Chemicals
---------------	--------------------------	--

## 1. IDENTIFICATION OF THE MATERIAL/SUPPLIER

Product Name: **CitriCure®**

Other names: Guazatine acetates

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. HAZARDS IDENTIFICATION

GHS Classification of Product: Acute Oral Toxicity – Category 4  
Acute Dermal Toxicity – Category 4  
Inhalation Toxicity – Category 2  
Skin Damage/Irritation – Category 2  
Eye Damage/Irritation – Category 1  
Acute Aquatic Toxicity – Category 1  
Chronic Aquatic Toxicity – Category 1

GHS Label Elements: Product as sold, liquid   Product inhaled as mist 

Signal Word: **DANGER**

Hazard Statements: H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H330 Fatal if inhaled.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

General: 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.

Prevention: P260 Do not breathe fumes/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink, or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, protective clothing, eye protection and face protection.  
P284 In case of inadequate ventilation wear respiratory protection.

Response: P301 + P317 IF SWALLOWED: Get medical help.  
P330 IF SWALLOWED: Rinse mouth.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P304 + P316 IF INHALED: Get emergency medical help immediately.  
P305 + P354 + P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

	P305 + P317	IF IN EYES: Get medical help.
	P332 + P317	If skin irritation occurs: Get medical help.
	P362 + P364	Take off contaminated clothing and wash it before reuse.
Storage:	P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
	P405	Store locked up.
Disposal:	P501	Dispose of contents and container in accordance with local regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS		
INGREDIENT(s)	CAS NO:	Proportion (w/w)
Guazatine acetate	115044-19-4 EC No: 236-855-3	21 %
Other components	(Inert)	79 %

#### 4. FIRST AID MEASURES

**Show this SAFETY DATA SHEET to a doctor.**

<b>INHALATION:</b>	If experiencing respiratory symptoms, remove person to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Call for medical assistance.
<b>SKIN:</b>	Remove contaminated clothing. Rinse affected areas (skin) immediately with plenty of water/shower. Wash contaminated clothing before re-use.
<b>EYES:</b>	Rinse eyes IMMEDIATELY with clean water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing while holding eyelids apart. Seek medical attention immediately.
<b>INGESTION:</b>	If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

#### 5. FIRE FIGHTING MEASURES

##### SMALL FIRES:

- Not flammable.
- Use media such as dry chemical, CO<sub>2</sub>, foam, or water spray.

##### LARGE FIRES:

- Apply water in large quantities (flooding) as a mist or spray.
- Keep unopened containers cool with flooding amounts of water.

**Hazards:** Gives off toxic fumes in a fire.

**Precautions for fire fighters and special protective equipment** Chemical protection suit including self-contained breathing apparatus. Prevent people from exposure to smoke and fumes.

#### 6. ACCIDENTAL RELEASE MEASURES

##### **SPILL OR LEAK:**

- Wear suitable protective clothing and safety glasses.
- Avoid breathing vapours, mist, or gas. Do not let product enter drains or waterways.
- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Stop leak or cover with plastic sheet to prevent from further spreading or leaking.
- Contain spillage and then collect with non-combustible adsorbent material (e.g., sand or earth) and place into sealable containers for disposal.

#### 7. HANDLING AND STORAGE

<b>HANDLING:</b>	Use in well ventilated area and do not breath mists. Wear suitable protective clothing, chemical resistant gloves, eye protection and respiratory equipment. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use.
<b>STORAGE:</b>	Store locked, closed in original containers, in a dry, well ventilated area out of direct sunlight. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs

#### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**OCCUPATIONAL EXPOSURE LIMITS:** 0.002 mg/kg body weight daily

**ENGINEERING CONTROLS:** Facilities should be equipped with an eyewash facility and a safety shower. Use in well ventilated area ONLY.

**PERSONAL PROTECTIVE EQUIPMENT:** EYES: Wear chemical safety glasses with side shield or face shield.  
 RESPIRATORY: If inhalation of vapour/mist is likely to occur, wear an approved respirator mask, especially in case of insufficient ventilation.  
 SKIN: Wear PVC/rubber gloves, washable hat, and buttoned-up cotton overalls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE (colour, physical form):** Yellow to brown liquid

**ODOUR:** Chemical odour

**pH:** 5 – 7

**BOILING POINT:** 100°C

**SPECIFIC GRAVITY:** ~1.037 kg/ℓ at 20°C

**VISCOSITY:** 10 – 12 cPs at 25°C

**CORROSIVE:** Copper corrosion ~1

**FLASH POINT:** Not flammable

**SURFACE TENSION:** at 25°C, mN/m = 38 - 42

**STABILITY:** Stable for at least 2 years at ambient temperature.

**FOAMING:** None)

**SOLUBILITY in water:** Highly soluble

**SOLUBILITY in organic solvents (mg/ℓ)** Ethanol 2 000 000; Methanol 510 000; Acetone 100; Toluene 100

**Octanol-water partition coefficient (pH7, 20°C)** Log P -4.0

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** Avoid contact with oxidising agents, acids, and bases.

**INCOMPATIBLE MATERIALS:** Strong oxidising agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO<sub>2</sub> and nitrogen oxides

## 11. TOXICOLOGICAL INFORMATION

### ANIMAL ACUTE TOXICITY DATA: (ACTIVE INGREDIENT)

<b>ACUTE ORAL:</b>	LD <sub>50</sub> (rat)	300 – 500 mg/kg
<b>DERMAL:</b>	LD <sub>50</sub> (rat)	> 1 000 mg/kg
<b>INHALATION:</b>	LC <sub>50</sub> rat	0.163 mg/ℓ
<b>DERMAL IRRITATION:</b>	Rabbit (OECD 404)	Skin Irritant.
<b>SKIN SENSITISATION:</b>	Guinea Pig (OECD 406)	Non- sensitiser
<b>EYE IRRITATION:</b>	Rabbit (OECD 405)	Irritating to eyes.

## 12. ECOLOGICAL INFORMATION

<b>ECOTOXICITY:</b>	Fish:	Fish – Acute LC <sub>50</sub> (96h) = 0.42 mg/ℓ ( <i>Lepomis macrochirus</i> ) Fish – Chronic (21d) NOEC = 0.044 mg/ℓ ( <i>Oncorhynchus mykiss</i> )
	Planktonic crustacean:	<i>Daphnia magna</i> – Acute (48h) EC <sub>50</sub> = 0.15 mg/ℓ
	Algae:	<i>Raphidocelis subcapitata</i> – Acute (72h) EC <sub>50</sub> = 0.0135 mg/ℓ
	Honeybees:	Honeybees - Acute oral (48h) LD <sub>50</sub> = > 59 µg/bee.
	Birds:	Birds – Acute LD <sub>50</sub> (mg/kg) = 57.9 ( <i>Columba livia</i> ). Birds – Short term dietary (LC <sub>50</sub> /LD <sub>50</sub> ) = 164.4 mg/kg bw/day ( <i>Colinus virginianus</i> )
	Earthworms:	Earthworms – Acute (14d) LC <sub>50</sub> = 3 420 mg/kg ( <i>Eisenia foetida</i> ) Earthworms - Chronic NOEC (reproduction) = 14.4 mg/kg ( <i>Eisenia foetida</i> )

### 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

<b>UN NUMBER:</b>	3082
<b>UN PROPER SHIPPING NAME:</b>	Environmentally hazardous substance, liquid, N.O.S (21 % Guazatine acetates).
<b>ADR/RID Class:</b>	9
<b>PACKING GROUP:</b>	III (minor danger)
<b>WHO Classification</b>	II
<b>ENVIRONMENTAL HAZARDS:</b>	Aquatic Toxicity – Category 1 – H410: Very toxic to aquatic life with long-lasting effects.



<b>MARINE POLLUTENT:</b>	Yes
<b>HAZCHEM CODE:</b>	None allocated
<b>TEL NO:</b>	+21 (0) 021 886 9812

### 15. REGULATORY INFORMATION

South African Registration number L6739 Act No. 36 of 1947.

Due to minor changes, this SDS replaces the previous document (Issue No. 5.2).

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 these 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.

Date of Edition 28 July 2021

Version 5.3

END of SDS