

Safety Data Sheet

Issue No: GHS 2.1		Issue Date June	e 2018			Issued by ICA I	International Chen	nicals
1. Identification								
GHS product identifier:		Sporeki	III ®					
Other means of identifi		Didecyldimethyl A			a / l			
Recommended use:		Fungicide and/or			y/i			
Producer:		ICA International (-					
		28 Planken Street						
		Plankenbrug Indus						
		STELLENBOSCH	· 7600 · S	OUTH AFRICA				
Telephone No:		+27 21 886 9812	2					
Fax number:		+27 12 886 8209	Ð					
Emergency Tel No:		Griffon Poison Info	ormation Centre	27 82 446 894	16			
		Poisons Helpline (0861 555 777					
2. Hazards Identifie	cation							
GHS classification of		Combustible liquid						
Product as SOLD (liquid)		Acute Toxicity (ora Eye Corrosion - C		jory 5				
(iiquiu)		Skin Corrosion/Irr		y 2				
		Inhalation - Categ	jory 1 (Product is	a liquid, no vap	ours and mist v	vill be generated wit	th general handling a	and transport)
GHS Label elements		Causes serious	Causes skin	Very toxic	o aquatic life			
		eye damage	irritation				T APPLY UNDILUT	
					\checkmark	AS A N		
					V.			
		NW 1	W.	1				
			E.					
Signal Word		Warning						
Signal Word Hazard Statements	Н330	-					n, as product natural	ly occur, not
-	H330 H303	Fatal if (<i>mist of un</i>	ion. Aerosols an				n, as product natural	ly occur, not
-	H3O3 H313	Fatal if (<i>mist of un</i> harmful for inhalati	ion. Aerosols an swallowed.	d mists not gene			n, as product natural	ly occur, not
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GHS classification of Product DILUTED

GHS Label elements

Acute Toxicity Dermal – Category 5 Eye Damage/Irritation- Category 2B Inhalation – Category 5 Skin Corrosion/Irritation – Category 2 Causes skin irritation



Signal Word		Warning
Hazard Statements	H333	May be harmful if inhaled
	H315	Causes skin irritation.
	H320	Causes eye irritation
Precautionary	P260	Do not breathe spray.
Statements	P264	Wash hands and face thoroughly after handling.
	P280	Wear protective gloves, protective clothing, eye and face protection.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P332+P313	If skin irritation occurs, consult a doctor/physician.
	P304+P312	IF INHALED: Call a POISON CENTER/doctor if you feel unwell
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337 + P313	If eye irritation persists: Get medical advice/attention
	P362 +P364	Take off contaminated clothing and wash well before re-use.

3. Composition / Information on Ingredients			
INGREDIENT(s)	CAS NO:	Proportion	
N,N-Didecyl-N,N-dimethyl ammonium chloride (DDAC)	7173-51-5	12 %	
Water	7732-18-5	>60 %	
ADDITIVE(S)	Not Available	Balance	

3. FIRST AID MEASURES

	Show this SAFETY DATA SHEET to a doctor.
INHALATION:	If experiencing respiratory symptoms (irritation, difficulty with breathing), 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.
EYES:	Rinse eyes IMMEDIATELY with clean water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing while holding eyelids apart. Immediately seek medical assistance.
SKIN:	Remove contaminated clothing. Rinse affected areas (skin) immediately with plenty of water/shower. Wash contaminated clothing before re-use. Seek medical assistance if skin irritation occurs.
INGESTION:	If swallowed, DO NOT induces vomiting. Rinse mouth thoroughly with water. Immediately give 3-4 glasses of milk (if unavailable, give water). Never give anything to an unconscious person. Make every effort to prevent vomit from entering the lungs by careful placement of the patient. If vomiting does occur, keep on giving fluids. Get medical attention . Possible mucosal damage may contra-indicate the use of gastric lavage.
Advice to Doctor	Treat symptomatically.
4. FIRE FIGHTING MEASURES:	
Suitable Extinguishing Media: SMALL FIRES:	Dry chemical, CO ₂ , water spray or alcohol-resistant foam.
LARGE FIRES:	Apply water in large quantities (flooding). Keep unopened containers exposed to the fire cool with spraying water on it.
Hazards from combustion products:	If involved in a fire, it will emit oxides of carbon, oxides of nitrogen, ammonia and hydrocarbons
Special protective equipment for fire fighters:	Fire fighters should wear full protective gear including self-contained breathing apparatus, especially in confined spaces.
Fire Fighting Procedures:	Prevent fire water from entering drains or water bodies.



5. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK

- Avoid breathing vapours or mist. Floors may become very slippery.
- PREVENT spilled concentrated product from entering drains or sewer systems. Dike and bund area with sand or earth to prevent contamination of drains or . sewers. Simplest method of disposal involves dilution to low concentrations in order to allow the biocide to degrade naturally (only if permitted by regulatory authorities).
- At levels below 10 parts per million (active), no detrimental effects on functioning waste treatment systems have been noted.

7. HANDLING AND STORAGE	
HANDLING	Use in well ventilated area and do not breath mists. Wear suitable protective clothing, 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.
STORAGE	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 of foodstuffs
8. EXPOSURE CONTROL / PERSO	NAL PROTECTION
EXPOSURE LIMITS	None allocated
ENGINEERING CONTROLS:	Handle in well ventilated areas, generally natural ventilation is adequate. If mists or vapours are generated local exhaust ventilation may be required in confined spaces. Facilities should be equipped with an eyewash facility and a safety shower.
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.
HYGIENE MEASURES	After each day's use, wash contaminated clothing and safety equipment. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.
9. PHYSICAL AND CHEMICAL PRO	PERTIES
APPEARANCE:	Homogenous, clear, colourless, foaming liquid.
ODOUR:	Slight bitter smell. Bitter taste.
pH:	5 - 8
FLASH POINT:	ASTM D93 = 92,0 °C (Pensky Martens Closed Cup)
VOLATILITY:	Non-volatile matter, (% m/m) = 14,66
SURFACE TENSION:	36.1 Mn/m
MISCIBILTY:	Standard water, acetone and ethanol at $30^{\circ}C^{-}$ no solid material separation; no separation into layers.
SPECIFIC GRAVITY / DENSITY:	∼1 kg/ℓ (0.90 - 1.02 kg/ℓ) at 20 °C(IP 365)
SOLUBILITY IN WATER:	Freely soluble
FOAM PERSISTENCE:	(200 ml/100 l) in 100 ml emulsion: Hard water 1 min = 104 ml; Hard water 5 min = 88 ml
COMPATABILITY:	Not compatible with concentrated anionic compounds.
CORROSION (METALS):	Non-corrosive to METALS Aluminium, copper, carbon steel and brass = >0.08 mm/year. (ASTM G31-72)
OXIDISING PROPERTIES:	Not an oxidising substance.
VISCOSITY:	70,4 at 25 °C (Brookfield viscosity, speed 100, spindle 2)

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Excessive heat and fire.
INCOMPATIBLE MATERIALS:	Avoid strong oxidising and strong reducing agents as well as anionic detergents.
HAZARDOUS DECOMPOSITION PRODUCTS:	The substance decomposes on burning producing toxic fumes of nitrogen oxides and chloride.

11. TOXICOLOGICAL INFORMATION

•	Risk of serious damage to eyes. Exposure can lead to irritation/burning, eye pain, conjunctivitis, swelling of eye and swelling of eyelid.
Skin Contact	Prolonged skin contact, especially with the concentrate, will cause severe irritation/burning, rash, itching, and blistering.
	Breathing in high concentrations of vapours or aerosols of this material may cause respiratory irritation/burning, irritation to mouth/throat/nose, coughing/choking, chest pain, disorientation, dizziness, shortness of breath.
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Ingestion lngestion may result in ulceration and burns to the mouth/throat/nose, vomiting/nausea/abdominal pain, dizziness, and headache.

Skin Sensitisation Product is not a skin sensitiser.

Chronic effects None expected with normal use and exposure, does not accumulate in body tissue, not carcinogenic or mutagenic.



ANIMAL ACUTE TOXICITY DATA (Product)

Oral:	LD ₅₀ (rat)	>2000 mg/kg
Dermal:	LD ₅₀ (rabbit)	>2000 mg/kg
Inhalation:	LC ₅₀ rat	0.25 mg/ℓ air

12. ECOLOGICAL INFORMATION: (Active ingredient)

ECOTOXICITY :	Aquatic Organisms	Fish - Acute LC ₅₀ (96hr) 1.16 mg/ℓ (<i>Oncorhynchus mykiss</i>) Fish - Chronic 21 day NOEC 0.032 mg/ℓ (<i>Brachydanio rerio</i>) Aquatic invertebrates - Acute LC ₅₀ (96hr) 0.094 mg/ℓ (<i>Daphnia magna</i>) Aquatic invertebrates - Chronic 21 day NOEC 0.01 mg/ℓ (<i>Daphnia magna</i>)
		Algae EC _{so} 0.026 mg/ <i>l</i> (<i>Selenastrum capricornutum</i>) Algae 48 hour NOAEC 0.014 mg/ <i>l</i> (<i>Selenastrum capricornutum</i>)
	Bees:	Not toxic to bees. Acute contact (product) LD _{co} > 100 g a.i./bee (<i>Apis mellifera</i>)
	Birds:	Not hazardous to birds. LC_{so} Oral > 5620 ppm (bobwhite quail) NOEC 1780 1780 ppm (bobwhite quail)
Bioaccumulation is not	expected to be s	ignificant. This product is readily biodegradable. Low potential for bio-concentration.

No long-term influence on nitrogen or carbon transformation in soils.

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. Offer container for recycling or puncture and dispose of at authorised landfill. Do not use container for any other purpose.

DIP disposal : According to local legislative requirements

14. TRANSPORT INFORMATION:	
UN NUMBER:	3082
PROPER SHIPPING NAME:	Environmental Hazardous Substance, Liquid N.O.S.
ADR RID CLASSIFICATION	9
PACKING GROUP:	III (minor danger)
HAZARD WARNING:	None

15. REGULATORY INFORMATION:

This product is registered in South Africa with the Registrar of ACT 36 of 1947, registration number L7115 As well as under with the Compulsory Specification for disinfectants and detergent-disinfectants as published by Government Notice No. R. 529 (Government Gazette No. 1999) of 14 May 1999, registration number ACT29GNR529/27555/070/210

16.OTHER INFORMATIONDate of Preparation: 15 June 2018

Contact: Suzel Serfontein ® Registered trade mark of ICA Laboratories Phone +27(0) 21886 912

Issue no: 2.1 Flash point categorized, other minor changes

This information concerns only the product conforming to its specifications and limits to the uses herein stated. This sheet complements the technical sheet of use but does not replace it. The information contained on this sheet is based on knowledge of the product on date of publication. It is given in good faith.

The data does not signify any warranty with regard to the product properties. This Safety Data Sheet (SDS) summarises to our best knowledge 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.

Care for the environment is essential for our future.

END of SDS