

Read label before use.

ECOTIZER

Disinfectant

NRCS Reg. No: Act5GNR529/243642/140/1226

Broad Spectrum Disinfectant

ACTIVE INGREDIENT: Clove Oil10 %

Batch Number: SEE

Net volume:

Date of Manufacture: CONTAINER

SEE CONTAINER

Manufacturer & Registration Holder:



ICA International Chemicals (Pty) Ltd
Reg. No. 2001/013319/07

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Griffons Poison Information Centre +27 (0)82 446 8946



Warning

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

UN No. None allocated.

Safety Data Sheet

Issue No: GHS 1.2	Issue Date: January 2020	Issued by ICA International Chemicals
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1. Identification

GHS product identifier: Other means of identification: Recommended use: Producer: Telephone No: Fax number: Emergency Tel No:	<h2 style="text-align: center;">EcoTizer Disinfectant</h2> <p>Clove Oil Emulsion Disinfectant ICA International Chemicals (Pty) Ltd 28 Planken Street Plankenbrug Industrial STELLENBOSCH · 7600 · SOUTH AFRICA</p> <p>+27 21 886 9812 +27 12 886 8209 Griffon Poison Information Centre +27 82 446 8946 Poisons Helpline 0861 555 777</p>
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2. Hazards Identification

GHS classification	Eye damage/irritation - Category 2 Skin Corrosion/Irritation - Category 2 STOT SE Category 3
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Signal Word: Warning

Hazard Statements

H315	Causes skin irritation.
H319	Causes serious eye irritation
H335	May cause respiratory irritation.

Precautionary Statements

P261	Avoid breathing fume/gas/mist/vapours/spray.
P264	Wash hands and face thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves, protective clothing, eye and face protection.
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.
P312	Call a POISON CENTER/ doctor/if feeling unwell.
P332+P313	If skin irritation occurs, consult a doctor/physician.
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.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/ container as hazardous waste.

3. Composition / Information on Ingredients

INGREDIENT(s)	CAS NO:	Proportion (%)
Clove Oil	8000-34-8	10
4-allyl-2-methoxyphenol (the main component).		
Co-formulants (non-hazardous)		Balance

3. FIRST AID MEASURES

Show this SAFETY DATA SHEET to a doctor.

INHALATION:	Remove the individual to fresh air and keep warm at rest. Consult a doctor in case of respiratory difficulty, unease or persistent headaches.
EYES:	Irrigate copiously with water for at least 15 minutes including under the eyelids. Do not allow water to flow into the uncontaminated eye. Obtain medical advice if any irritation (redness, pain) or evidence of tissue damage persists.
SKIN:	Remove contaminated clothes. Flush skin with soap and plenty of water. If irritation appears, obtain medical advice. Wash contaminated clothing before re-use.
INGESTION:	Rinse mouth with water and spit out. Do not give anything to drink or eat, and do not try to make vomit without a specialist advice. Consult a doctor if symptoms appear.
Advice to Doctor	Treatment: Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Serious eye irritation if eye contact. Delayed skin allergic reaction (e.g. eczema) may occur on sensitized people. Not classified as skin irritant but some inflammatory reaction can appear at contact point

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

- Ventilate the area.
- Emergency eye wash capability should be available in the vicinity of any potential splash exposure.
- Promptly remove contaminated clothing and wash before reuse.
- Gross liquid spillages have to be contained by the use of sand or inert powder. If the product turns solid, contain by a cover. Do not reuse. Do not reintroduce into the original container. Collect into a suitable and labelled container. Treat as waste, disposal of this should be in accordance with Government Regulations.
- Cover drains to prevent entry of the product in the sewer system. Avoid contamination of natural environment (soil, waters). 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	The substance is not classified for physical hazards; therefore, no specific prevention measures apply for identified uses. Observe the usual precautions for handling organic chemicals. Good personal washing routines should be followed. Wash hands before breaks and after work. When using do not eat, drink or smoke. Avoid breathing vapour and spray.
STORAGE	It is good general practice to store in closed, preferably full, properly labelled, containers away from heat sources, and protected from extremes of temperature. Do not re-use the empty container. Respect general rules for compatibility storage.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS	Work processes must be designed to keep exposure to a minimum. Maintain adequate local and general ventilation where product is handled and dispensed.
ENGINEERING CONTROLS:	Facilities should be equipped with an eyewash facility and a safety shower.
PERSONAL PROTECTIVE EQUIPMENT:	EYES: Eye protection: IRRITANT Wear safety goggles. RESPIRATORY: where ventilation may be inadequate, chemical cartridge is recommended. SKIN: SENSITISING Wear protective clothing and chemical resistant boots. Contaminated work clothing should not be allowed out of the workplace. Hand Protection: Where contact with liquid may occur, wear suitable gloves made of plastic or rubber. If contact with forearms is likely, wear gauntlet style gloves
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 PROPERTIES

APPEARANCE:	Yellow to Orange
ODOUR:	Characteristic clove
pH:	7 – 8.5
FLASH POINT:	No flashpoint Method: ASTM D 92
FLAMMABILITY	Not flammable
BOILING POINT	115 °C
DENSITY	1.15 g/cm ³

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.
HAZARDOUS DECOMPOSITION PRODUCTS:	The substance decomposes on burning producing toxic fumes of nitrogen oxides and chloride.

11. TOXICOLOGICAL INFORMATION

Eye contact	Risk of eye irritation.
Skin Contact	Reports of skin sensitisation in humans.
Inhalation	Breathing in high concentrations of vapours or aerosols of this material may cause respiratory irritation.
Ingestion	Ingestion the concentrate will be harmful
Skin Sensitisation	Sensitising
Chronic effects	None expected with normal use and exposure, does not accumulate in body tissue, not carcinogenic or mutagenic.

ANIMAL ACUTE TOXICITY DATA (ETA)

Oral:	LD ₅₀ (rat)	10 000 mg/kg
Dermal:	LD ₅₀ (rabbit)	>2000 mg/kg
Inhalation:	LC ₅₀ rat	>5.15 mg/ℓ air

12. ECOLOGICAL INFORMATION: (Liquid Product)

ECOTOXICITY	Birds:	Not hazardous to birds
	Aquatic Organisms:	ETA <i>Oncorhynchus mykiss</i> LC ₅₀ 56 mg/ℓ; <i>Zebra danio</i> LC ₅₀ 130 mg/ℓ; <i>Daphnia magna</i> EC ₅₀ 19 mg/ℓ; Algae <i>Scenedesmus subcapicatus</i> EC ₅₀ Biomass 220 mg/ℓ
	Bees:	Not applicable
	Birds:	Not applicable

No long-term influence on nitrogen or carbon transformation in soils.
The substance is readily biodegradable and does not have a high potential to adsorb to soil.

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.

14. TRANSPORT INFORMATION:

UN NUMBER:	Not subject to transport regulations
PROPER SHIPPING NAME:	Not relevant
CLASS	Not relevant
PACKING GROUP:	Not relevant

15. REGULATORY INFORMATION:

Compulsory Specification for disinfectants and detergent-disinfectants as published by Government Notice No. R. 529 (Government Gazette No. 19999) of 14 May 1999, registration number ACT5GNR529/243642/140/1226

16. OTHER INFORMATION

Date of Preparation: 7 September 2019
Contact: Suzel Serfontein
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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