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# **MOCAP 200 EC**

Document no: Effective date: Revision date (version): Product Code: 428VM July 2017 January 2025 (3) INSMOCAP200EC/VM

### SAFETY DATA SHEET

I. CHEMICAL IDENTIFICA		ND COMPANY	May be fatal if swallowed and enters airways.	
Product Name: MOCAP 200 EC Other identifier: Ethoprophos 200 EC			May cause an allergic reaction.	
Recommended us				
Restrictions on us		ay only be sold and		
		stered pest control		
	operator.	I		
	•			
Supplier:		otection (Pty) Ltd.		
	Co. Reg. No.: 1	992/002474/07		
	PO Box 10413			
		630, South Africa	SL V	
Telephone:	(011) 396 2233			
ax:	(011) 396 4666			
Nebsite:	www.villacrop.c	<u>0.za</u>		
Emergency teleph	ono numbore:		▼	
	Spill emergency no		Signal word: Danger	
Hazcall24)		86 044 4411	Hazard statements:	
Client: Villa Crop F		00 044 4411	H301: Toxic if swallowed.	
	mation Centre +27	82 446 8946	H304: May be fatal if swallowed and enters airways.	
Client: Villa Crop F		02 110 00 10	H310: Fatal in contact with skin.	
	ency telephone nun	nbers:	H315: Causes skin irritation.	
			H317: May cause an allergic skin reaction.	
Griffon Poison Information Centre+27 82 446 8946Poisons Information Centre+27 861 555 777			H318: Causes serious eye damage.	
	<b></b>			
			H330: Fatal if inhaled.	
2. HAZARDS IDEN	ITIFICATION		H330: Fatal if inhaled. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.	
			H400: Very toxic to aquatic life.	
UN GHS, Regula	ation EC 1272/2008	B [EU-GHS/CLP]	H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.	
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Document no: Effective date: Revision date (version): Product Code:

### **MOCAP 200 EC**

428VM

July 2017

	UU EU			5AFEIT DATA SHEET		
P310: Immediately call a POISION CENTRE.			ITRE.	4. FIRST AID MEASURES		
<ul> <li>P310: Immediately call a POISION CENTRE.</li> <li>P316: Get emergency medical help immediately.</li> <li>P330: Rinse mouth.</li> <li>P331: Do NOT induce vomiting.</li> <li>P332+317: If skin irritation occurs: get medical help.</li> <li>P333+317: If skin irritation or rash occurs: Get medical help.</li> <li>P361+364: Take off immediately all contaminated clothing and wash before reuse.</li> <li>P362+364: Take off contaminated clothing and wash it before reuse.</li> <li>P391: Collect spillage.</li> <li>P403+P233: Store in a well-ventilated place.</li> <li>P405: Store locked up.</li> <li>P501: Dispose of content/container to suitable landfill in accordance with local regulations.</li> </ul>			nediately. nedical help. ccurs: Get medical ntaminated clothing thing and wash it lace.	Remove the victim from the area of exposure. Wash of remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Immediately consult a doctor. <b>Inhalation:</b> Remove person from source of poisoning and keep the person calm and reassured. If the patient is not breathing, commence with artificial respiration and provide		
0				the face.		
Special labelling of certain mixtures: None known. Other hazards: None known. Toxicity: Classification according to GHS: Category 1 3. COMPOSITION / INFORMATION ON INGREDIENTS			-	<b>Ingestion: Do not induce vomiting.</b> If swallowed, drink a to 3 glasses of water. <b>Do not</b> induce vomiting or give anything by mouth to an <b>unconscious person</b> . Vomiting may occur spontaneously. To prevent aspiration, position patient on his side with his head in a lower position that his waist. If vomiting while patient is conscious, give wate to further dilute the chemical. Persons attending to the victim must avoid direct contact with heavily contaminated		
Substance/Mixture: Mixture Composition:			ture	clothing and vomitus. Take the patient immediately to the nearest doctor or hospital, whichever is faster.		
				Anticipated acute effects:		
Chemical Name	CAS	Conc. (m/v %)	Classification EC 1272/2008	Fatal if inhaled. Fatal in contact with skin. Toxic if swallowed.		
Ethoprophos	13194-48-4	21.3	Skin Sens. 1 (H317) Aquatic acute 1 (H400) Aquatic chronic 1 (H410) Acute tox. 1 (H310) Acute tox 3 (301) Acute tox. 2 (H330)	Anticipated delayed effects: None known. Most important symptoms/effects: None known Advice to physician: Support respiration, measure should include the removal of secretions, maintenance of the patient's airway and if necessary, artificial ventilation. cyanosis is absent, administer 2 to 4 mg atropine sulphate intravenously (0.05 mg/kg for children). Repeat atropine sulphate at 5 to 10 minute intervals until patient is full atropinized (dry flushed skin, tachycardia, papillary dilation and maintain for at least 48 hours. If cyanotic, give initia atropine sulphate dose intramuscularly and start measure		
Tristyrylphenol ethoxylate	99734-09-5	< 10	Aquatic chronic 3 (H412)	to improve ventilation. 5. FIRE-FIGHTING MEASURES		
Alkylaryl sulfonate	11117-11-6	< 10	Skin Irrit. 2 (H315) Eye Dam. 1	<b>Suitable Extinguishing Media:</b> Use carbon dioxide, dr chemical powder or water fog.		
Sulloriale			(H318) Aquatic chronic 2 (H411)	<b>Unsuitable Extinguishing Media:</b> Do not use water jet as this will spread the fire. <b>Specific hazards:</b> During fire, gases hazardous to health		



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monitor nozzles. Keep upwind. Avoid inhaling hazardous vapours and fumes from burning materials. Remove container from fire area if possible and without risk. Do not use high volume water jet, due to contamination risk. Do not scatter the burning material. Water can be used to cool unaffected containers but must be contained for later disposal. Contain fire control agents for later disposal. Avoid pollution of waterways by run-off from the site. Personal protective equipment: Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes. Do not breathe in spray mist or dust/fumes/vapours. Ventilate area of spill or leak, especially in contained areas. Protective equipment: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

Emergency procedures: Alert firefighting personnel, Permissible concentration evacuate unprotected personnel and animals.

Environmental Precautions: Prevent spilled product from entering sewers, waterways or ground water. This product is classified to be toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Any spillages or uncontrolled discharges into watercourses should be reported immediately to the police and the Department of Water/Environmental Affairs.)

Methods and Materials for Containment: Contain spilled product by diking area with sand or earth.

Methods and Materials for Clean-up: Cover contained spill with an inert absorbent material such as sand. vermiculite, earth or other appropriate material. Vacuum, scoop, or sweep up material and place the material into a clean, dry, sealable container. Label containers with the contents and dispose of according to local regulations. Do not place spilled material back in original container. Do not re-use spilled material. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent. See section 13 for disposal considerations.

#### 7. HANDLING AND STORAGE

#### Handling:

Precautions for safe handling: Toxic if swallowed. Avoid contact with skin and eyes. Ensure adequate ventilation during handling and use. Do not handle broken packages without protective equipment. Immediately clean up spills that occur during handling. Keep containers closed when not in use. In the case of contact with the product refer to First Aid Measures - Section 4.

General occupational hygiene: Practice good hygiene when using this material. Wash hands before eating, drinking, chewing gum, smoking, using the toilet or applying cosmetics. Worker should shower at the end of each workday. Launder all clothing before it is re-used. Storage:

Conditions for safe storage: Keep under lock and key and out of reach of unauthorised persons, children and animals. Store in its original, labelled container, tightly closed, in an isolated, dry, cool and well- ventilated area. Not to be stored next to foodstuffs, feed and water supplies. Avoid cross contamination with other pesticides and fertilisers.

#### Incompatible substances and mixtures: Refer to product label.

Packaging material: Fluorinated plastic containers.

#### 8. **EXPOSURE** CONTROLS AND PERSONAL PROTECTION

Components	Exposure limits	Type of exposure limit	Source
Naphthalene	50 mg/cm <sup>3</sup>	PEL	OSHA

#### **Engineering Controls:**

It is essential to provide adequate ventilation. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. Local Exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OELs or other specified exposure limits. Local exhaust ventilation is preferred. Ensure that control systems are properly designed and maintained. Comply with occupational safetv. environmental, fire, and other applicable regulations.

#### **Personal Protective Equipment**

**Respiratory Protection:** For most well-ventilated conditions, no respiratory protection should be needed. If used in a poorly ventilated area (airborne concentrations exceed exposure limits), use a NIOSH approved airpurifying respirator with cartridges/canisters approved for organic vapours.

Hand Protection: The use of chemically protective (impervious) gloves is recommended to prevent against skin contact.

Eve Protection: The use of chemical safety goggles is recommended to prevent against eye contact. Contact lenses are not protective eye devices.

Skin and Body Protection: Employee must wear appropriate protective (impervious) clothing e.g. goggles boots, hat and equipment to prevent repeated or prolonged skin contact with this substance. Do not wear leather clothing.



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<b>Emergency eyewash:</b> Where there is any possibility that an employee's eyes may be exposed to this substance;	Aspiration hazard	<b>d:</b> May be fatal if swall	owed and enters
the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.	Chronic Effects: I POTENTIAL ADV Inhalation: Fatal if	ERSE EFFECTS: f inhaled.	
9. PHYSICAL AND CHEMICAL PROPERTIES		ses serious eye damag	е.
<b>Appearance:</b> Light yellow liquid, Emulsifiable concentrate. <b>Odour:</b> Petrol-like odour.	Ingestion: Toxic if		
<b>pH (1% aqueous dilution):</b> 6.0 @ 26 °C. <b>Melting point:</b> Not available.			with lange lasting
Freezing Point: Not available. Boiling Point: Not available.	effects.	ic to aquatic organisms	
Flash Point: 56 °C.	Fish:		
Flammability: Not available.	LC <sub>50</sub> (96 h)	Rainbow trout	13.8 mg/ℓ.
Upper/lower explosion limits: Not available Vapour Pressure (mm Hg): Not available.		Bluegill sunfish	2.1 mg/ℓ.
Relative Vapour Density: Not available.		Goldfish	•
<b>Density/Relative density:</b> 0.939 mg/ <i>l</i> @ 20 °C.			13.6 mg/ <i>t</i>
Solubility: Not available.	Birds:		
<b>n-octanol/water partition coefficient:</b> Not available. <b>Auto-ignition temperature:</b> Not available.	Acute oral LD <sub>50</sub>	Mallard ducks Hens	61 mg/kg 5.6 mg/kg
Decomposition temperature: Not available.	Bees:		
Viscosity: 0.00107 Pa/s at 40 °C and 0.00176 Pa/s at	Not hazardous to		
20 °C.	bees when used as directed		
	as ullected		
10. STABILITY AND REACTIVITY		such as haricot be	
<b>Chemical Stability:</b> The product is stable for two years at ambient temperature and pressure, under normal storage and handling conditions. <b>Reactivity:</b> non-reactive.		rapidly broken down as methyl propyl sulphic nyl propyl sulfone.	
Possibility of Hazardous Reactions: Will not occur. Conditions to Avoid: Contact with incompatible materials. Incompatible Materials: Alkaline metals, Isocyanates. Hazardous Decomposition Products: Emits hazardous fumes and smoke of unknown composition when heated	Bio-accumulative Mobility in soil: N	degradability: Not dete Potential: Not determi	
to decomposition or burned.	13. DISPOSAL CO	ONSIDERATIONS	
ACUTE TOXICITY: Calculated according to GHS: Oral LD <sub>50</sub> (24 h) > 220 mg/kg. Dermal LD <sub>50</sub> (24 h) >39 mg/kg. Inhalation LC <sub>50</sub> (4 h) 0.35 mg/ <i>k</i> . Skin Irritation/Corrosion: Causes skin irritation. Eye Damage/Irritation: Causes serious eye damage. Skin Sensitization: May cause allergic skin reaction. Respiratory Sensitization: Not classified. Reproductive cell mutagenicity: Not classified. Carcinogenicity: Not classified. Reproductive toxicity: Not classified. Specific target organ toxicity – single exposure: Not classified Specific target organ toxicity – repeated exposure: Not classified	prohibited. Waste cannot be reused waste or surplus p is any danger of Do not contamin sources with the p local legislation ar may be taken to incineration plant. disposal or incine dispose of in comp <b>Container:</b> Empti Do not re-use the Triple rinse empti container over the	mping or burning of resulting from the use or re-processed. Neve roduct into public sewe run-off or seepage into ate rivers, dams or a roduct or used containe oplying to waste dispo o a registered waste Where possible, recycli eration. If recycling is pliance with local regulat ed containers retain p empty container for an ty containers by inve spray or mixing tank a onds after the flow has s	e of this product er pour untreated rs or where there o water systems. any other water ers. Comply with sal. The product disposal site or ng is preferred to not practicable, tions. broduct residues. by other purpose. rting the empty nd allow draining
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drip. Thereafter, rinse the container three times with a volume of water equal to a third of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner. Puncture the triple rinsed container and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn, or donate the container to any other parties that may use it as a container for food or beverages. Observe all labelled safeguards until container is destroyed.		<ul> <li>16. OTHER INFORMATION</li> <li>Packaging: Packed in 1, 5, 10, 20 and 25 litres fluorinated plastic containers, labelled according to South African regulations and guidelines.</li> <li>Other hazard statements, abbreviations and explanations:</li> <li>H411: Toxic to aquatic life with long lasting effects.</li> <li>H412: Harmful to aquatic life with long lasting effects IATA: International Air Transport Association.</li> <li>IBC: International Bulk Chemical.</li> <li>ICAO: International Civil Aviation Organization.</li> </ul>
<b>UN Number:</b> <b>Road Transport ADR/IRD:</b> Class: Packaging group: UN Proper Shipping Name:	3018 6.1 I Organophosphorus Pesticide, Liquid, Toxic (Ethoprophos 200 g/ <i>t</i> )	<ul> <li>IMDG: International Maritime Dangerous Goods</li> <li>IMO: International Maritime Organization.</li> <li>LD<sub>50</sub> value: The median lethal dose or the amount of a toxic agent that is sufficient to kill 50 percent of a population within a certain period of time.</li> <li>OEL/RL: Occupational exposure limit-recommended limit.</li> <li>TWA: Time-weighted average – The average exposure</li> </ul>
<b>Maritime Transport IMDG/IMC</b> Class: Packaging group: UN Proper Shipping Name:	· · · · · · · · · · · · · · · · · · ·	over a specified period, usually a nominal eight hours. <b>ST/STEL:</b> Short-term exposure limits. <b>Disclaimer:</b> The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not
Marine Pollutant (Y/N): Air Transport IATA/ICAO: Class: Packaging group: UN Proper Shipping Name:	Yes, considered a marine pollutant. 6.1 I Organophosphate Pesticide, Liquid, Toxic	applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.
(Ethoprophos 200 g/ℓ) Special/Environmental Precautions: None known. Transport in bulk (according to MARPOL 73/78, Annex II and the IBC code): Not available. 15. REGULATORY INFORMATION		END OF DOCUMENTCompiled:July 2017Reviewed:January 2025Revision no.:(3)Next Revision date:January 2030
Safety,healthandenvironmentalregulations/legislation for the mixture:OHSA1993RegulationsforHazardousChemicalSubstances.		For detailed information on revisions, contact the Registration holder.
Relevant information regarding restrictions: None. EU regulation: Regulation EC1272/2008 (EU-GHS/CLP) Other national regulations: None.		
Chemical Safety Assessment carried out? No		