

MATERIAL SAFETY DATA SHEET

Company Details

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1.Product and Company Identification:

<u>Trade / Commercial Name</u>	ECOFLUKE		
<u>Chemical Name</u>	environmentally hazardous substance, liq, NOS		
<u>Formula</u>	Trichlabendazole 10%		
<u>Chemical Family</u>	Endoparicitive - treatment of liverfluke		
<u>Synonyms</u>			
<u>Un No</u>	3082	<u>Hazchem Code</u>	3xe
<u>ERG No.</u>	171	<u>EAC</u>	31

2.Hazards Identification:

Low to moderate hazard.
May burn but will not ignite readily.
May polymerize (P) explosively when heated or involved in a fire.+
Container could explode when heated.+
Inhalation of material could be harmful.+
Contact could cause burns to skin and eyes.+
Fire may produce irritating, corrosive and/or toxic gases.+
Runoff from fire control could cause pollution.+

3.Composition:

Hazardous Components environmentally hazardous substance, liq, NOS

4.First Aid Measures

<u>First Aid Skin</u>	Remove & isolate contaminated clothing, including shoes. Wad skin with soap and water and rinse thoroughly.
<u>First Aid Eyes</u>	Flush eyes with water for 20 minutes. Hold eyelids open while washing.
<u>First Aid Ingested</u>	Slightly hazardous in case of eye contact (corrosive) Seek medical treatment. Do not induce vomiting.
<u>First Aid Inhalation</u>	Hazardous in case of ingestion. Move victim to fresh air. If not breathing give artificial respiration. If breathing of victim is difficult administer oxygen for a maximum period of one hour.

5.Fire Fighting Measures

Small Fires: Dry chemical, CO₂, water spray or regular foam.

Large Fires: Water spray, fog or regular foam.
Move containers from fire area if you can do it without risk.
Do not scatter spilled material with high pressure water streams.

Dike fire-control water for later disposal.
Fire involving Tanks: Cool containers with flooding quantities of water until well after fire is out.

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Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
 ALWAYS stay away from the ends of tanks.
 Isolate spill or leak area immediately for at least 10 to 25 metres (30 to 80 feet) in all directions.
 Keep unauthorized personnel away. Stay upwind.
 Wear positive pressure self-contained breathing apparatus (SCBA).
 Structural firefighters' protective clothing will only provide limited protection.
 If ROAD OR RAIL TANKER is involved in a fire, ISOLATE for 800 metres (1/2 mile) in all directions;
 also, consider initial evacuation for 800 metres (1/2 mile) in all directions.

6. Accidental Release Measures

Full protective clothing including breathing apparatus
 Contain (avoid spillage from entering drains or water courses)
PRECAUTIONS:
 Restrict access to area.
 Provide adequate protective equipment and ventilation.
 Remove sources of heat and flame.
 Notify occupational and environmental authorities
SPILL OR LEAK:
 Do not touch or walk through spilled material.
 Stop leak if you can do it without risk.
Small Spills
 Take up with sand or other noncombustible absorbent material and place into containers for later disposal.
Large Spills
 Dike far ahead of liquid spill for later disposal.
 Prevent entry into waterways, sewers, basements or confined areas.

7. Handling And Storage

Storage in the same room or space is prohibited with the following classes - Oxidising Agents
 In case of insufficient ventilation in storage area, the use of respiratory equipment is recommended.
 Storage area to be cool (not exceeding 25o C and must be well ventilated).

8. Exposure Controls/Personal Protection

<u>Occupational Exposure Limits</u>	T	W	A	OEL-RL	SHORT TERM	OEL-RL
	PPMa)			MG/M3b)		
	-			5	-	-

Controls
 The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure.
 The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release.
 Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside.
 Supply sufficient replacement air to make up for air removed.
 Have a safety shower/eye wash fountain readily available in the immediate work area

Personal Protection
 If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including chemical safety goggles & face shield, boots, imperious gloves, coveralls, & respiratory protection.
 Have appropriate equipment available for use in emergencies.

9. Physical & Chemical Properties

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White to light beige in colour , thixotropic suspension

Boiling point 220 - 555 C

Solubility: Oil based liquid, floats on water

10. Stability And Reactivity

Conditions to Avoid Stable.
Avoid open flames, sparks and static discharge of heat and oxidizine
Incompatible Materials Strong oxidizing agents
Other Hazardous decomposition Products: Smoke with Carbon Monoxide

11. Toxicological Information

Inhalation of material may be harmful.

Contact may cause burns to skin and eyes.

Skin: Dermatitis

Eyes: Transient stinging

Ingestion: Vomiting, nausea

Inhalation: Irritation to respiratory tract

Acute oral LD50 rat: >5'000mg/kg (Trichlabendazole)
Acute deral Toxicity LD50 rat >3'000mg/kg (Trichlabendazole)

12. Ecological Information

Do not allow to enter sewer, water system and ocean - Toxic to ground water

13. Disposal Considerations

Disposal Method Product There are no uniform EC regulations for the disposal of chemicals or residues.
Chemical residues generally count as special waste.
The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations.
We recommend that you contact the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal Method Packaging Disposal in accordance with local legal provisions.

14. Transport Information

<u>UN No</u>	3082	<u>Hazchem Code</u>	3xe
<u>ERG No.</u>	171	<u>EAC</u>	31
<u>IMDG-Shipping Name</u>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.		
<u>IMDG Code</u>	9	<u>IMDG-Packaging Group</u>	III
<u>Marine Pollutant</u>	Yes		
<u>Class</u>	Class: 9 Miscellaneous Group: III		
<u>Subsidiary Risks</u>	None		



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15. Regulatory Information

EEC Hazard Classification 9
Risk Phrases Danger of cumulative effects
Safety Phrases This material and its container must be disposed of in a safe way
National Legislation

16. Other Information

Reason for Alteration: General update.

The information contained herein is based on the present state of our knowledge.
It characterizes the product with regard to the appropriate safety precautions.
It does not represent a guarantee of the properness of the product.

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