

Material Safety Data Sheet

Date of Issue: 4 April 2016

Revision Date: 31 March 2016

Revision Number: 03

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING.

1.1. Product identifier

Product Name	Enviro Disinfectant
Type of product	Liquid
Product Form	Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use/purpose:	Disinfectant
Industrial / Professional use spec	Industrial use For professional use
Uses advise against	No information available

1.3. Supplier details

Fax: 086 603 7943 Cell : +27(0) 82 931 4342 Email: les@ensolve.co.za
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1.4. Emergency telephone number

Leslie Bands
Cell : +27(0) 82 931 4342

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance /mixture

Classification according to SANS 10234:2007

Not classified

2.2. Label elements

Classification according to SANS 10234:2007

No labelling classification applicable

SECTION 3: COMPOSITION/INFORMATION ON THE INGREDIENTS

Components	%	CAS no	Classification according to SANS 10234:2007	EEC Class	R-Phrases
Plant based disinfectant	<5%	Not classified	Not classified	-	-
Alcohol Ethoxylate	<5%	9002-92-0	Not classified	Xi, N	R36/38, R50
Chelating Agent	<5%	05198-1-21-6	Not classified	Xi	R36

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SECTION 4: FIRST AID MEASURES

Inhalation	Immediately remove the patient to fresh air and keep a rest in a position comfortable for breathing. Consult a doctor immediately.
Skin contact	Should be no effects but should irritation occur wash all exposed skin areas with water. Consult a doctor
Eye contact	Flush eyes with clean water for at least 15 minutes and consult a doctor immediately.
Ingestion	Rinse out mouth and drink as much water as possible. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a doctor immediately.

SECTION 5: FIRE FIGHTING MEASURES

Non-flammable	
Extinguishing media	Water spray, carbon Dioxide, alcohol resistant foam, dry chemicals, sand.
Specific hazards	Fumes containing carbon oxides, nitrogen oxides, phosphorus oxides, sodium oxides and hydrogen chloride gas are likely to develop under fire conditions. Do not let the run-off from firefighting enter watercourses or drains.
Protection during firefighting	Protection of firefighters: Wear positive-pressure, self-contained breathing apparatus and protective firefighting clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURE

Personal precautions	Use personal protective equipment. Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions	Prevent contamination of surface and ground water. Prevent entry into sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods for cleaning up	Soak up small spills with absorbent material, remove with rubber shovel and collect for disposal for large spills dike and pump into appropriate containers. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contain spillage, soak up with non- combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations.

7. HANDLING AND STORAGE

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Handling	Avoid inhalation of vapour or mist. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapours. Do not breathe vapours.
Storage:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use only where access to clean running water is available.	
Personal protective equipment	Respiratory	-
	Face	-
	Eyes	-
	Hands	-
	Skin/body	-

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Physical State	Liquid
	Colour	Red
Odour		-
pH		7
Specific temperatures	Melting	-
	Boiling	-
Flammability characteristics	Flash Point	-
	Ignition Temperature	-
	Explosion Limits	-
Density	Material	1.02 g/cm ³
	Bulk	1.02 g/cm ³
Vapour pressure		-
Solubility	In Water	Fully miscible
	In Organic Solvents:	-

10. STABILITY AND REACTIVITY

Stability	Stable under normal storage conditions
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Reactivity	Materials to Avoid	Also avoid strong oxidising agents and organic materials.
	Hazardous Decomposition products	Not known

11. TOXICOLOGICAL INFORMATION

Acute toxicity	No data available
Carcinogenicity	No data available.
Potential health effects	<p><u>Alcohol Ethoxylate</u> Chronic Health Effects : No information available Inhalation: Inhalation of mist may cause irritation Skin contact : May cause slight irritation Eye contact : May cause irritation Ingestion: No adverse effect, but large amount may cause nausea and vomiting.</p> <p><u>Chelating Agent</u> Acute Toxicity: Oral LD50 >2000m/kg(No mortality observed) Dermal LD50>2000mg/kg (No mortality observed) Inhalation LC50 4-h LC50>4.2mg/l(maximum attainable concentration)(OECD 403)</p>

12. ECOLOGICAL INFORMATION

Toxicity	Fish	<p><u>Chelating Agent</u> Oncorhynchus mykiss, freashwater, semi-static:96h-LC50>100mg/l(OECD 203)</p>
	Daphnia	<p><u>Chelating Agent</u> 48h-EC50>100mg/l(OECD 202) 21-day No observed effect concentration(NOEC)>=265.7mg/l</p>
	Algae	<p><u>Chelating Agent</u> Desmodemus subspicatus, freshwater:72-Er50>100mg/l,72h-NOErC>=100mg/l(OECD 201)</p>

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Biodegradability	Fully biodegradable
Bio accumulative Potential	No data available.

13. DISPOSAL CONSIDERATIONS

Product waste disposal recommendation	Collect in appropriate containers and dispose of in accordance with local regulations.
Contaminated packaging	Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

UN NUMBER:	No regulated for transport
PACKAGING GROUP:	Not applicable
MARINE POLLUTANT:	No
RAIL/ROAD (RID/ADR):	No additional information available
SEA (IMO/IMDG):	No additional information available
AIR (ICAO/IATA):	No additional information available

15. REGULATORY INFORMATION

EEC regulations	-	
S-Phrases	S2	Keep out of reach of children
	S23	Do not breath gas/fumes/vapour/mist
	S25	Avoid contact with eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S46	If swallowed, seek medical advice immediately and show this container

16 OTHER INFORMATION

The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended.

The classification was effectuated according to information derived from technical literature and supplier companies.

Information included in this document is based on our present state of knowledge; however, they do not assure the product properties and do not assume any legal condition.

The material safety data sheet completes the product information without replacing it.