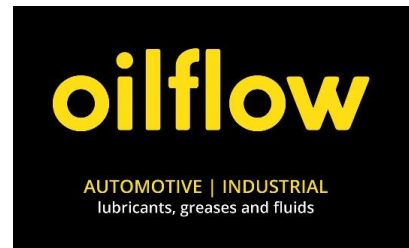


PO Box 14527, Wadeville 1422
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Tel: (011) 827-5848
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MATERIAL SAFETY DATA SHEET

Lube X Antifreeze 33% Red

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Lube X Antifreeze 33% Red
Manufacturer/Supplier: OILFLOW cc
562 Crocker Road, Wadeville, Germiston, South Africa
1422
Health Emergency Telephone: 011 827 5848
Oilflow Website: www.oilflow.co.za

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Hazardous Components in Product

Component Name	Concentration	R Phrases	Classification
Mono ethylene glycol	33 %		
Corrosion inhibitors	5 %		
Water	62%		

3. HAZARD IDENTIFICATION

Main Hazards: Hazardous according to OSHA 29 CFR 1910.1200
Health Effects – Eyes: Will cause irritation and damage to the eyes.
Health Effects – Skin: No hazard providing normal cleansing is carried out.
Health Effects – Ingestion: Ingestion can result in vomiting, nausea, abdominal pain, convulsions and kidney failure.
The ingestion of more than 100ml can result in death.
Health Effects – Inhalation: High levels of vapour may result in toxic effects.

4. FIRST AID MEASURES

First Aid – Eyes: Flush thoroughly with water. If irritation occurs, call a doctor.
First Aid – Skin: Wash skin with soap and water.
First Aid – Ingestion: Give 1 to 2 glasses of water and call a doctor immediately. If advice not available and patient is conscious induce vomiting by sticking finger down throat.
First Aid – Inhalation: Remove from exposure and seek medical assistance.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use foam, dry chemical dioxide, foam or water fog.
Unsuitable Extinguishing Media: Water or foam may cause frothing.
Special Hazards of Product: No special hazards.
Protective Equip, for Fire-Fighting: Wear self-contained breathing apparatus for fires in



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enclosed spaces.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Environmental Precautions

Material can create slippery conditions underfoot.
Try to prevent the material from entering drains or watercourses.

Spillage

Contain and absorb using diatomaceous earth or other inert material. Transfer suitable containers for disposal.

7. HANDLING AND STORAGE

Handling
Storage

No special precautions are required.
Storage temperature should be controlled to between 1 and 40°C. Where outside storage of drums is unavoidable, they should be stored horizontally to avoid ingress of water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards
OIL MIST, CHEMICAL
Engineering Control Measures

OSHA STEL 127mg/m³
Exposure to this material may be controlled in several ways. The measures appropriate for a worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of industrial Hygiene will enable this material to be used safely.

Respiratory Protection

Respiratory protection is required if ventilation is inadequate.

Hand Protection

Impervious gloves should be used for prolonged contact with skin and good personal hygiene practices should always be followed.

Eye Protection

Chemical goggles and face mask if there is a risk of contact.

Body Protection

Normal work wear.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Colour	Red
Odour	None
pH	7.0 to 8.0
Boiling Range/Point (°C)	Boils above 165
Flash Point (PMCC) (°C)	Exceeds 110
Solubility in Water (kg/m ³)	Soluble
Density (kg/m ³)	1.11
Auto-flammability (°C)	Above 200

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions to Avoid	Extreme heat
Materials to Avoid	Strong oxidizing agents
Hazardous Decomposition Products	Combustion will generate carbon monoxide

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Small quantities ingested, inhaled or absorbed repeatedly over a long period may result in systematic toxic effects.
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12. ECOLOGICAL INFORMATION

Mobility	The product will leach into soil and will dissolve in water.
Persistence/Degradability	The product is expected to biodegrade very slowly with time.

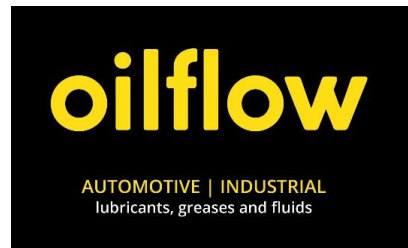
13. DISPOSAL

Product Disposal	Dispose of in accordance with all applicable local and national regulations.
Container Disposal	An approved drum recycler can recycle containers.



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14. TRANSPORT INFORMATION

Un Class	9
IMO Class	9
IMDG Class	Not classified
IATA Class	N/A

15. REGULATORY INFORMATION

Labelling information	Harmful
Government Inventory Status	All components with TSCA, EINECS/ELINS, ALCS and MITI
US Superfund Amendments	This product contains no "Extremely Hazardous Substances"

16. OTHER INFORMATION

MSDS First Issued	01 May 2010
MSDS Data Revised	01 May 2020
Product Use	Diluted Antifreeze Solution

To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.

