

MATERIAL SAFETY DATA SHEET

Product name: FIRETROL Fire Foam

No : RT / FI01

Date Issued: 1 March 2005

Page 1 of 6

1. COMPANY DETAILS

Sold & Distributed by:
SILVIX Forestry (Pty) Ltd
P.O. Box 2383
Pietermaritzburg
3200

TEL NO: 033 - 346 1558
FAX NO: 033 - 346 1558
E-MAIL: silvixsales@gmail.com
Emergency No. 082 804 7942
079 521 4616

2. PRODUCT AND COMPOSITION

Trade Name:	FIRETROL SA	Chemical Abstract No.	None
Chemical Family:	Neutral Surfactants	NIOSH No:	None
Chemical Name:		Hazchem Code:	2 x
Synonyms:		UN. No:	None

Hazardous Components: Firetrol FireFoam SA is a proprietary mixture and wetting agents and has no Cas.No. The formula is a trade secret of Firetrol Canada Company and approval has been granted (Registry No. 1220-001), by the Hazardous Materials review commission for an ingredient disclosure exemption.

EEC Classification:

R.Phrase:

2. HAZARD IDENTIFICATION

Flammability:	Non Flammable
Chemical Hazard:	Non Hazardous
Reproductive Hazard:	Not listed by NTP or IARC
Eyes effects:	Irritant
Skin effects:	Irritant
Ingestions effects:	Do not ingest

Inhalation effects:	Irritation of respiratory tract.
Carinogenicity:	Not Listed by NTP or IARC
Mutagenicity:	Not Listed by NTP or IARC
Neurotoxicity	Not Listed by NTP or IARC

4. FIRST AID MEASURES

Product in eye:	Wash out with large amounts of water. May cause corneal inflammation. Flush eyes with plenty of water. Seek medical attention if symptoms persist.
Product on skin:	Wash with water.
Product ingested:	Depression of the central nervous system can occur. Contact a physician.
Product inhaled:	Can be irritating to nose and throat. Remove to fresh air, if not breathing give artificial respiration and seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Carbon Dioxide, dry chemical, foam, or water spray use Class A, BC or ABC fire extinguishers.
Protective Clothing:	Wear MSHA / NIOSH approved breathing apparatus or equivalent and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear self containing breathing apparatus.
Environmental Precautions:	Product is biodegradable and has minimum impact on the environment. Avoid introduction of concentrate into water courses.
Small Spills:	Dispose by washing away with large amounts of water.
Large Spills:	Contain with earth wall for recovery or disposal.

7. HANDLING AND STORAGE

Suitable Material:	Drums - plastic, polyethylene or polyethylene - lined containers only.
Handling/Storage Precautions:	Store in a cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:	Hexylene Glycol: 25ppm (NIOSH REL)
-------------------------------	------------------------------------

Personal Protection - Respiratory:	Use a MSHA / NIOSH approved respirator, with vapour cartridge.
Personal Protection - Hand:	Gloves - any type of rubber, plastic or solvent resistant gloves.
Personal Protection - Eye:	Goggles - offering full seal around the eyes.
Personal Protection - Skin:	Apron
Personal Protection - Foot	Rubber - based footwear

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellowish liquid
Odour:	Mild surfactant odour
pH:	7
Boiling Point:	No data available
Melting Point:	No data available
Flash Point:	Greater than 90°C (Pensky Martens Closed (up)
Flammability:	Non Flammable
Autoflammability:	No data available
Explosive Properties:	Sensitivity to impact - Not applicable Sensitivity to Static Discharge - Not applicable
Vapour Pressure (mm Hg) :	Less than 1 @ 20°C
Density:	1,03 (20°C)
Solubility - Water:	Completely
Solubility - Coefficient:	No data available
Specific Gravity:	1.03g/cm ³
Neurotoxicity:	Not listed by NTP or IARC

10. STABILITY AND REACTIVITY

Stability:	Excellent long term stability. Do not store above 60°C
Conditions to avoid:	High temperatures or sources of ignition.
Incompatible materials:	Avoid strong oxidizers such as hydrogen, peroxide, bromine and Chromic Acid. Avoid strong reducing agents, Halogens,

Carbon Dioxide, Carbon Monoxide and Oxides of Sulphur.

Hazardous Decomposition Products:

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Ingestion of one ingredient of FireFoam SA concentrate has shown to have adverse effects on the central nervous system of laboratory animals.
Chronic Toxicity:	Ingestion has produced adverse effects on the kidneys and livers of laboratory animals.
Carcinogenicity:	Not listed by NTP or IARC
Mutagenicity:	Not listed by NTP or IARC
Reproductive Hazardous:	Not listed by NTP or IARC

12. ECOLOGICAL INFORMATION

Aquatic Toxicity - Fish:)	(unless the waterway is extremely shallow, product dropped as a 1% solution has very little chance of reaching the LC ₅₀ value and thus can be considered harmless)
Aquatic Toxicity - Daphnia)	
Aquatic - Algae -)	
Biodegradability:	Yes - 50% after 2 days 90% after 3 days

13. DISPOSAL INFORMATION

Disposal methods:	Take up with sand or other non combustible material and place into containers for later disposal.
Disposal of packaging:	Wash out 3 x with 25% of water by volume and reuse or dispose of in normal manner

14. TRANSPORT INFORMATION

UN No:	None
Substance identity No:	None
ADR/RID Class:	None
ADR/RID Item No:	None
ADR/RID Hazard Identity No:	None
IMDG Shipping Name:	None

IMDG Class:	None
IMDG Packaging Group:	None
IMDG Marine Pollutant:	None
IMDG EMS No:	None
IMDG MFAG Table No:	None
IATA Shipping Name:	None
IATA Class:	None
IATA Subsidiary Risk (s):	None
ADNR Class:	None
UK Description:	None
UK Emergency Action Class:	None
UK Classification:	None
Termcard No:	None

15. REGULATORY INFORMATION

EEC Hazard Classification:	None
Risk Phases:	None
Safety Phases:	None
National Legislation:	None

16. OTHER INFORMATION

The manufacturer warrants that this product is reasonably fit for the purpose for which it was developed only when used in accordance with recommended use practices under normal conditions. The information contained above is, to the best of our knowledge, accurate. However, unknown hazards may exist and therefore suitability of this product is the sole responsibility of the user. The manufacturer or any of its agents shall not be liable for the damages resulting from the use or handling of this product.