

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY/UNDERTAKING	
PRODUCT :	SPECTROLINE FLUORESCING ADDITIVE (MINERAL BASED)
APPLICATION :	REFRIGERANT LEAK DETECTION
COMPANY/UNDERTAKING IDENTIFICATION :	
	ADVANCED ENGINEERING LTD. UNIT L, KINGSFIELD BUSINESS CENTRE, PHILANTHROPIC ROAD, REDHILL, SURREY, RH1 4DP TELEPHONE : +44 (0) 1737 859900 EMERGENCY TELEPHONE NO. AS ABOVE FAX : +44 (0) 1737 859700

2. COMPOSITION/INFORMATION ON INGREDIENTS	
CHEMICAL DESCRIPTION :	Mineral oil base
	Fluorescing additive
HAZARDOUS COMPONENTS :	None of the ingredients of this product are classified as hazardous

3. HAZARDS IDENTIFICATION	
The most important hazards are :	This product is not classified as hazardous

4. FIRST AID MEASURES	
EYES:	Irrigate immediately with copious quantities of water for several minutes.
SKIN:	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.
INHALATION:	Remove from exposure.
INGESTION:	Obtain medical attention urgently. DO NOT induce vomiting.

5. FIRE FIGHTING MEASURES	
EXTINGUISHING MEDIA:	Carbon dioxide, power, foam or water fog. Do not use water jets.
EXPOSURE HAZARDS:	None.
PROTECTIVE EQUIPMENT:	None.

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)	
PERSONAL PRECAUTIONS:	Spilt product presents a significant slip hazard.
ENVIRONMENTAL PRECAUTIONS:	Prevent entry into drains, sewers and water courses.
DECONTAMINATION PROCEDURES:	Soak up with inert absorbent or contain and remove by best available means.

7. HANDLING AND STORAGE (IN NORMAL USE)	
STORAGE:	No special precautions.
GENERAL HANDLING:	To avoid the possibility of skin disorders, repeated or prolonged contact with products of this type must be avoided. It is essential to maintain a high standard of personal hygiene.

8. EXPOSURE CONTROLS / EXPOSURE PROTECTION (NORMAL USE)			
OCCUPATIONAL EXPOSURE LIMITS:			
SUBSTANCE	8 Hr.TWA	STEL	Source/Other Information
Mineral oil (see Oil mist, mineral)	5mg/m3	10mg/m3	EH40
ENGINEERING CONTROL MEASURES:		None	
PERSONAL PROTECTIVE EQUIPMENT:		Avoid skin and eye contact. Wear impervious gloves (eg.PVC). Change contaminated clothing and clean before re-use.	

9. PHYSICAL/CHEMICAL PROPERTIES	
PHYSICAL STATE:	Liquid
COLOUR:	Amber
ODOUR:	Mild
BOILING POINT/RANGE (°C):	Above 250
POUR POINT (°C):	Below minus 39
KINEMATIC VISCOSITY (@40°C):	29.6
FLASH POINT (closed, °C):	Above 165
AUTOIGNITION (°C):	Above 250
EXPLOSIVE PROPERTIES (%):	Not determined
RELATIVE DENSITY (at 20°C):	Below 1.0
WATER SOLUBILITY:	Insoluble
FAT SOLUBILITY:	No determined

10. STABILITY AND REACTIVITY	
STABILITY:	Stable, will not polymerise
CONDITIONS TO AVOID:	Temperatures (°C) above 150
MATERIALS TO AVOID :	Strong oxidising agents
HAZARDOUS DECOMPOSITION PRODUCTS :	Irritant fumes

11. TOXICOLOGICAL INFORMATION	
THE FOLLOWING TOXICOLOGICAL ASSESSMENT IS BASED ON A KNOWLEDGE OF THE TOXICITY OF THE PRODUCT'S COMPONENTS. EXPECTED ORAL LD50, rat > 2g/kg.	
ACUTE EFFECTS	
EYES:	May cause transient irritation.
SKIN:	Unlikely to irritate on brief or occasional contact.
INHALATION:	Low volatility makes inhalation unlikely at ambient temperatures.
INGESTION:	May cause nausea, vomiting and diarrhoea.
CHRONIC:	Repeated and prolonged skin contact may lead to skin disorders.
OTHER:	None known.

12. ECOLOGICAL INFORMATION	
ENVIRONMENTAL ASSESSMENT:	When used and disposed of as intended, no adverse environmental effects are foreseen
MOBILITY:	Involatile. Insoluble in water. Mobile liquid
PERSISTANCE & DEGRADABILITY:	Inherently biodegradable.
BIO ACCUMULATION POTENTIAL:	Bioaccumulative based on logP values of constituents
ECOTOXICITY:	Not expected to be ecotoxic to fish/daphnia/agae. Not expected to be inhibitory to sewage bacteria.

13. DISPOSAL CONSIDERATIONS

DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL AND NATIONAL LEGISLATION.

UNUSED PRODUCT:

May be sent for reclamation.

USED/CONTAMINATED PRODUCT:

Dispose of through an authorised waste contractor to a licensed site. May be incinerated.

PACKAGING:

Must be disposed of through an authorised waste contractor. May be steam cleaned and recycled.

14. TRANSPORT INFORMATION (REGULATIONS)

THIS PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR TRANSPORT.

PACKAGING (Size & Description)

TRANSPORT CLASSIFICATION

SUBSTANCE IDENTIFICATION NUMBER

PROPER SHIPPING NAME

ICAO/IATA/IMDG CLASS

SUBSIDIARY RISK

PACKING GROUP

ADR CLASS

TRANSPORT HAZARD SYMBOL

HAZARD IDENT NUMBER

EMERGENCY ACTION CODE

OTHER

15. REGULATORY INFORMATION

HAZARD LABEL DATA:

THIS PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR SUPPLY IN THE UK.

RISK PHASES:

SAFETY PHRASES:

E C DIRECTIVES:

Waste Oil Directive, 87/101/EEC

Framework Waste Directive, 91/156/EEC

Health & Safety at Work, etc. Act 1974.

Consumer Protection Act 1987.

Environmental Protection (Duty of Care) Regs. 1991 (SI 2839).

STATUTORY INSTRUMENTS:

CODES OF PRACTICE:

Waste Management. The Duty of Care.

GUIDANCE NOTES:

Occupational skin diseases: health and safety precautions (EH 26).

Occupational exposure limits (EH 40).

Substances for use at work: the provision of information [HS(G)27].

Carcinogenicity of mineral oils (EH 58).

Skin cancer caused by oil [MS(B)5].

Save your skin! - Occupational Contact Dermatitis

[MS(H)6]. Dermatitis - cautionary notice (SHW 367)

Effects of mineral oil on the skin (SHW 397).

The above publications are available from HMSO or HSE.

16. OTHER INFORMATION

The information contained in this document only covers the hazards presented by this material, it does not constitute a workplace risk assessment.

SAFETY DATA SHEET - SPECTROLINE - MINERAL

The information contained in this Safety Data Sheet is based on present knowledge. It provides guidance on health, safety and environmental aspects of the product. The specific conditions of use of the product are outside the suppliers control.

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

17. REVISIONS AND DATES

Rev 1.1 Jan. 1999 Change of address and telephone numbers