



## MATERIAL SAFETY DATA SHEET

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### 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

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Product name: Switch Contact Compound Code: 2543-UK

Application: Electrical contact lubrication

Company: Electrical Oil Services Limited

Address: PO BOX 79  
Stanlow Works  
CH65 4WD

Telephone: 0845 6021003 Fax: 0845 6021004

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### 2: COMPOSITION/INFORMATION ON INGREDIENTS

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Product Formal Name: Anti-seize compound  
Product Chemical Family: Mineral Oil based.  
Composition: A blend of mineral oils, polymers and additives, including solid lubricant particles.

Refer to Section 8 for Occupational Exposure Limits.

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### 3: HAZARDS IDENTIFICATION

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Main Hazards: Will contaminate water sources  
Health Effects – Eyes: Irritation can occur  
Health Effects – Skin: Irritation can occur  
Health Effects – Ingestion: Produces gastro-intestinal disturbances.

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### 4: FIRST AID MEASURES

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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. Subject to be brought to fresh air.

Ingestion: Seek medical attention urgently.

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## 5: FIRE FIGHTING MEASURES

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Suitable Extinguishing media: Carbon dioxide, powder, foam.

Unsuitable Extinguishing media: Water.

Protective Equipment for Fire-Fighting: Use independent breathing apparatus.

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## 6: ACCIDENTAL RELEASE MEASURES

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Personal Precautions: Remove all soiled clothing.

Environmental Precautions: Prevent entry into drains, sewers and watercourses.

Decontamination Procedures: Spilled product presents a significant slip hazard. Gather into containers. Dispose of as waste.

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## 7: HANDLING AND STORAGE

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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.

Storage: Keep away from sources of flame or heat. No smoking. No contact with acids or chemical bases. Storage temperature min  $-5^{\circ}\text{C}$ , max  $+40^{\circ}\text{C}$ .

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## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Occupational Exposure limits:-

Substance	8 Hr.TWA	STEL	Source/Other Information
Mineral oil (see Oil mist, mineral)	5mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	EH40 (OES)

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Engineering Control Measures: No special requirements. Ensure adequate ventilation at elevated temperatures.

Personal protective Equipment: Avoid skin and eye contact. Wear impervious gloves (e.g. of PVC).

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## 9: PHYSICAL AND CHEMICAL PROPERTIES

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Physical State:	Grease
Colour:	Silver Grey
Odour:	Mild
Boiling Point/Range ( $^{\circ}\text{C}$ ):	Above $250^{\circ}\text{C}$
Melting Point/Range ( $^{\circ}\text{C}$ ):	Not determined
Flash Point (closed $^{\circ}\text{C}$ ):	Above $220^{\circ}\text{C}$
Auto ignition ( $^{\circ}\text{C}$ ):	$370^{\circ}\text{C}$
Vapour Pressure (kPa at $20^{\circ}\text{C}$ ):	Not determined
Relative Density (kg/m <sup>3</sup> ):	1150 approximate
Water Solubility:	Insoluble
Fat Solubility:	Not determined

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## 10: STABILITY AND REACTIVITY

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Stability: Stable, will not polymerise  
Materials to Avoid: Strong oxidising agents  
Hazardous Decomposition Products: CO, CO<sub>2</sub>, Irritant fumes

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## 11: TOXICOLOGICAL INFORMATION

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On Eyes: May cause transient irritation  
On Skin: Non-irritant on short term contact.  
By Inhalation: Low volatility makes inhalation unlikely at ambient temperatures.  
By Ingestion: May cause nausea, vomiting and diarrhoea  
Chronic: Repeated and prolonged skin contact may lead to skin disorders  
Other: Not known, no data.

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## 12: ECOLOGICAL INFORMATION

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Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen.  
Mobility: Non-volatile. Solid. Insoluble in water.  
Persistence and Degradability: Biodegradable in the very long term  
Bio accumulative Potential: Bio accumulative based on logP values of constituents.  
Ecotoxicity: Not expected to be toxic to aquatic organisms.  
Not expected to be inhibitory to sewage bacteria.

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## 13: DISPOSAL CONSIDERATIONS

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Disposal must be in accordance with local and national legislation.

Unused product: Dispose of through an authorised waste contractor to a licensed site  
May be incinerated.  
Used/Contaminated Product: As for Unused Product  
Packaging: Must be disposed of through an authorised waste contractor

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## 14: TRANSPORT INFORMATION

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This product is NOT classified as dangerous for transport.

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## 15: REGULATORY INFORMATION

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This product is NOT classified as dangerous for supply in the UK.

Labelling Information:

R phrases/S phrases: S 36 Suitable protective clothing to be worn.  
S 37 Suitable protective gloves to be worn.

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## 16: OTHER INFORMATION

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EC Directives:	Waste Oil Directive, 87/101/EEC Framework Waste directive, 91/156/EEC
Statutory Instruments:	Health & Safety at Work, etc. Act 1974 Consumer Protection Act 1987 Environmental protection Act 1990
Codes of Practice:	Waste management. The Duty of Care.
Guidance Notes:	Occupational exposure limits (EH40) Carcinogenicity of mineral oils (EH58) Skin cancer caused by oil [MS (B) 5]. Save your skin! - Occupational Contact Dermatitis [MS9B]6]. Dermatitis - cautionary notice [SHW 367]. Effects of mineral oil on the skin [SHW 397].

The above publications are available from HMSO or HSE.

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 that should be taken.

Further copies of this Safety Data Sheet may be obtained from Electrical Oil Services Limited.