

Sassi Lift Systems Limited

Health & Safety Data Sheet

Cossh Regulations for Winding Unit range :

MF48
MF58
MF82
MF94

MB82
MB94
MB95



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HEALTH & SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of substance/preparation

ROOK S PAG GEAR OILS

Sheet rooFG0198

Application

Gear Oil

For specific application advice see appropriate Specification Data Sheet or consult your Falcon representative.

Company Identification

Falcon Lubricants Ltd

Showfield Lane, Malton YO17 0BT

Emergency Telephone Number

01653 694019

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Composition

Polyalkylene glycol with specially selected anti-wear and oxidation inhibitors.

3. HAZARDS IDENTIFICATION

This material is not considered to be especially hazardous to health, but should be handled in accordance with good industrial hygiene and safety practices.

4. FIRST-AID MEASURES

Eyes

Wash eyes thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.

Skin

Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.

Ingestion

If contamination of the mouth occurs, wash out thoroughly with water.

Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.

Inhalation

If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.

Medical Advice

Treatment should in general be symptomatic and directed to relieving any effects.

Aspiration of the product is unlikely to occur except as the result of ingestion, followed by vomiting or regurgitation in a partially or totally unconscious individual, when immediate effects are most likely to result from the aspiration of acidic stomach contents. If it should occur, transport casualty immediately to hospital.

5. FIRE FIGHTING MEASURES

Use foam, dry powder or water fog. DO NOT USE water jets. Avoid spraying directly into storage containers because of the danger of boil-over.

TRAINED PERSONNEL WEARING APPROVED BREATHING APPARATUS SHOULD DEAL WITH FIRES IN CONFINED SPACES.

Water may be used to cool nearby heat exposed areas/objects/packages.

Combustion Products

Toxic fumes may be evolved on burning or exposure to heat.

See Stability and Reactivity, Section 10 of this Safety Data Sheet.

6. ACCIDENTAL RELEASE MEASURES

Contain and recover using Falcon Terek Granules or other suitable inert absorbent material such as sand. It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage, which may be reasonably anticipated. Spilled material may make surfaces slippery. Protect drains from potential spills to minimise contamination. Do not wash product into drainage system. In the case of large spills contact the appropriate authorities. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.

7. HANDLING AND STORAGE

Handling Precautions

Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles to BSI standards as appropriate. Avoid frequent or prolonged skin contact with fresh or used product. Good working practices, high standards or personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. The use of a recommended barrier cream on the hands before commencing work may be helpful in assisting subsequent removal of any product accidentally contaminating the skin. After washing the application of a suitable conditioning cream may help to prevent cracking, fissuring or dryness of the skin. Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.

Fire Prevention

Product soaked rags, paper or material used to absorb spillage's, represent a fire hazard, and should not be allowed to accumulate. Dispose of safely immediately after use.

Storage Conditions

Store under cover away from heat and sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Ensure good ventilation. Avoid, as far as reasonably practicable, inhalation of vapour, mists for fumes, generated during use. If vapour, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest reasonably practicable level. Relevant UK Occupational Exposure Limits as published in EH40 are:
Oil mist, mineral (Occupational Exposure Standard)
Long-term exposure limit (8-hour TWA) 5 mg m⁻³
Short-term exposure limit (10-minute) 10 mg m⁻³

Protective Clothing

If the operation is such that prolonged or repeated contact may reasonably be anticipated, suitable protective clothing, including gloves of an appropriate standard, and a BSI approved full face visor or chemical goggles as appropriate, should be worn. Change heavily contaminated clothing as soon as reasonably practicable; dry-clean, launder and preferably starch before re-use. Wash any contaminated underlying skin with soap and water.

Respiratory Protection

Respiratory protection is unnecessary, provided the concentration of vapour, mists or fumes is adequately controlled. If operations are such that the excessive generation of vapour, mists or fumes may be anticipated to which operators may unavoidably be exposed, then suitable approved respiratory equipment should be provided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Rook S	Typical Values	220
Physical State		Liquid
Colour		Straw
Odour		Oily
Kinematic viscosity @ 40 °C	mm ² /	220
Pour point	°C	-30
Flash point (PMC)	°C	240
Density @ 15 °C	kg/m ³	1.006
Solubility in water	g/l	Insoluble

10. STABILITY AND REACTIVITY

Conditions to Avoid

Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use.

Hazardous polymerisation reactions will not occur.

This material is combustible.

Materials to Avoid

Avoid contact with strong oxidising agents.

Hazardous Decomposition Products

Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, which will include carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Eyes

Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

Skin

Unlikely to cause harm to the skin on brief occasional contact but prolonged or repeated exposure may lead to dermatitis.

Ingestion

Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.

Inhalation

At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May cause irritation to eyes, nose and throat due to exposure to vapour, mists or fumes.

May be harmful by inhalation of exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.

12. ECOLOGICAL INFORMATION

Mobility

Spillages may penetrate the soil causing ground water contamination.

Persistence and degradability

This product is inherently biodegradable.

Bioaccumulative potential

There is not evidence to suggest bioaccumulation will occur.

Aquatic toxicity

Spills may form a film on water surfaced causing physical damage to organisms. Oxygen transfer could also be impaired.

13. DISPOSAL CONSIDERATIONS

Where possible, arrange for product to be recycled.

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

Incineration may be carried out under controlled conditions provided that local regulations are met.

Dispose of product and container carefully and responsibly. Do not dispose of near ponds, ditches, down drains or onto soil.

14. TRANSPORT INFORMATION

Not classified as dangerous for transport in the United Kingdom.

ADR Not classified as hazardous for transport

RID Not classified as hazardous for transport

UN Not classified as hazardous for transport

IATA/ICAO Not classified as hazardous for transport

15. REGULATORY INFORMATION

Not classified as hazardous for supply. No statutory level required.

16. OTHER INFORMATION

Legislation and other sources which have been used in the compilation of this Safety Data Sheet include:

Control of Substances Hazardous to Health (General ACOP) and Control of Carcinogenic Substances (Carcinogens ACOP)

Approved Codes of Practice (HSE ref. L5)

Personal Protective Equipment at Work Regulations, Guidance on Regulations (HSE ref. L25)

Waste Management - The Duty of Care, A Code of Practice

Occupational Exposure Limits (this publication is revised annually) (HSE ref. EH40)

The Carcinogenicity of Mineral Oils (HSE ref. EH58)

Health Surveillance of Occupational Skin Disease (HSE ref. MS24)

Effects of Mineral Oil on the Skin (HSE ref. SHW 397)

Skin Cancer Caused by Oil (HSE ref. MS/B/5)

Respiratory Protective Equipment (HSE ref. HS(G)53)

For more information of how to deal with oil spills users may find it useful to consult two further publications:

9/81 Field Guide to Coastal Oil Spill Control and Clean-up Techniques

10/83 Field Guide to Inland Oil Spill Clean-up Techniques

Available from CONCAWE, Madouplein 1, B-1030, Brussels, Belgium

In circumstances where products are to be used outside the jurisdiction of the United Kingdom, such usage must be in conformity with the forgoing, or national standards; whichever are more stringent.

This product is supplied on the understanding that it will be used in the manner and for the purpose(s) specified in the Product Data Sheet, the user having taken all precautions stipulated. Failure to follow such directions may adversely affect any rights that the user might have against the company.

Before application other than as directed, advice must be obtained from the Company.

ROOK Synthetic GEAR OILS (PAG)

APPLICATIONS

Rook S are a range of Polyalkylene Glycol based synthetic industrial gear lubricants which provide outstanding load carrying properties and excellent thermal stability. They are designed to provide excellent corrosion protection (ASTM D665, procedure B pass) and demulsibility characteristics (according to ASTM D1041). They conform to the DIN 51517 Part 3 (Group CLP) specification.

Rook S Gear Oils allow thermally stable operation at temperatures in excess of 200°C. Typical applications include lubrication of calendar, bevel, spiral bevel, helical, enclosed spur and worm gear units. The lubricants are free of chlorine, sulphur and lead based materials. They remain homogeneous from below their pour point to temperatures in excess of 200°C. The anticipated service life of all grades is substantially in excess of 10,000 hours at 100°C. in enclosed gear units. This allows for extended drain intervals and, in some cases, for operation as a 'Fill for Life' lubricant.

ROOK S GEAR OILS ARE NOT MINERAL OIL COMPATIBLE

PROPERTIES

- ❑ High molecular weight, hence very high film strength
 - ❑ Excellent viscosity index
 - ❑ Very low pour point
 - ❑ Improved heat transference properties
 - ❑ Lower coefficient of friction than similar mineral oil based Lubricants
 - ❑ Reduced oil consumption due to high temperature stability and low volatility
 - ❑ Extended lubricant period between oil changes
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TYPICAL PHYSICAL CHARACTERISTICS

Grade	S150	S220	S320	S460
Density @ 20/20°C	0.994	1.006	1.005	1.007
Kinematic Viscosity @ 40°C	137	237	325	433
@ 100°C	22.7	31.8	44.8	63.7
Viscosity Index	185	190	196	220
Pour Point °C (IP15)	-30	-30	-30	-28
Flash Point °C (IP34)	210	221	225	225
Timken OK Loads Lbs (ASTM D2782)	27	27	35	35
Weld Load, Kg (ASTM D2783)	168	168	170	170

Above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

AVAILABILITY

Bulk to small pack – Details available on request.

STORAGE

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of markings. Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

HEALTH & SAFETY

Information is provided in the Health & Safety Data Sheet, available on request. Falcon Lubricants will accept no liability if the product is used other than in the manner or with the precautions or for the purpose/s specified.

This data sheet and the information contained is considered to be accurate at the date of print. No warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this publication. It is the Users obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable

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