

Performance you can trust

## BIOGEN® Fluid

Environmentally Considerate Grease in a Biodegradable Solvent Carrier

### Product Overview

ROCOL® BIOGEN Fluid is a high performance biodegradable grease in a biodegradable solvent carrier, featuring advanced pseudoplastic rheology. It is based on ROCOL BIOGEN technology, which is a unique and proprietary system. It provides performance levels in excess of traditional mineral oil technologies with a highly considerate environmental profile.

The de-watering fluid is designed for complete lubrication and corrosion protection for environmentally sensitive locations, in wet and hostile applications.

BIOGEN Fluid demonstrates industry leading corrosion protection, guarding wire ropes and other equipment from the onset of degradation.

BIOGEN Fluid has excellent self penetration abilities and will naturally search its way between strands and cavities.

Solvent evaporates leaving a highly tenacious grease film that resists dripping or fling and is highly resistant to wash off.

### Features and Benefits

- Industry leading corrosion protection.
- No sheen formula.
- Excellent de-watering properties.
- Rust dissolving.
- Pseudoplastic rheology increases penetration of the lubricant. This is enhanced by the use of a fluid applicator.
- BIOGEN Fluid has a wide operating temperature range -50°C to +180°C, ensuring resistance to high temperature applications such as heave compensation and also viability for extreme cold weather use.
- The thin, non-tacky film of BIOGEN Fluid prevents build-up of dust and dirt and is highly resistant to water wash-off.
- BIOGEN Fluid has excellent lubricating properties which reduces wear between moving parts, ultimately maximising service life.
- BIOGEN Fluid is highly stable in the presence of salt water, ensuring protection when exposed to sea water for extended periods of time.

### Directions for Storage and Use

- BIOGEN Fluid should be stored in its unopened original container.
- For best practice, storage temperature of BIOGEN Fluid should ideally be controlled to between +1°C and +40°C. However, there will be no detrimental effect when stored within its operating service temperature.
- 3 years from date of manufacture shelf life.
- The minimum application temperature for BIOGEN Fluid is 0°C.
- BIOGEN Fluid is fully compatible with any previously used service or build lubricants.
- For ropes, prior to application of BIOGEN Fluid, build lubricant or previously used service lubricants should be cleaned off as far as possible to enhance penetration and adhesion.

### Typical Applications

- BIOGEN Fluid is optimised for high performance use under arduous conditions whilst minimising environmental impact.
- BIOGEN Fluid is ideal for lubrication of all types of wire ropes and armoured ROV umbilicals. It is also ideal for equipment such as winches, hoists, drag lines, large chains, tethers and chains.
- BIOGEN Fluid can be applied using a brush, a sprayer suitable for oils and solvents or automatic lubricator.
- Approved and ideal for use with the Corelube wire rope lubricant applicators.
- Also for use on chains, pulleys, springs, nuts and bolts

### Pack Sizes

Pack Size	Part Code
20 L	20085

T +44 (0) 113 232 2600  
F +44 (0) 113 232 2740  
E customer-service@rocol.com  
www.rocol.com

ROCOL House, Swillington, Leeds LS26 8BS

Registered Company No. 559693 VAT No. 742 0531 67  
Registered Office: Admiral House, St Leonard's Road, Windsor, Berkshire SL4 3BL

ROCOL A division of **ITW** Ltd



Performance you can trust

## BIOGEN® Fluid

Environmentally Considerate Grease in a Biodegradable Solvent Carrier

Property	Test Method	Result
Appearance	Visual	Dark grey fluid
Base Fluid Type	N/A	Vegetable/Synthetic
Base Fluid Viscosity at 40°C	IP71	165 cSt
Base Fluid Viscosity at 100°C	IP71	22.3 cSt
Thickener	N/A	Proprietary
Solids	N/A	Graphite
Drop Point	IP 396	Non-melting
Flash Point	PMCC	40°C
Operating Temperature Range	N/A	-50°C to +180°C
4-Ball Weld Load	IP239	355kg
Salt Spray Corrosion Protection	ASTM B-117	>1000 hours
Copper Corrosion Test (24hrs at 100°C)	IP 112 – ASTM D130	1A
Oil Separation (24hrs at +100°C)	IP 121	1%
Applied Film;		
Ecotoxicity	OECD 215	NOEC >100 mg/l
Ecotoxicity	OECD 211	Not toxic to aquatic environments
Biodegradability	OECD 306	Inherently aerobically biodegradable

Values quoted above are typical and do not constitute a specification.

### Safety Data Sheets

Safety data sheets are available for download from our website [www.rocol.com](http://www.rocol.com) or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

Issue: 1 Date: 10-15

T +44 (0) 113 232 2600  
F +44 (0) 113 232 2740  
E [customer-service@rocol.com](mailto:customer-service@rocol.com)  
[www.rocol.com](http://www.rocol.com)

ROCOL House, Swillington, Leeds LS26 8BS

Registered Company No. 559693 VAT No. 742 0531 67  
Registered Office: Admiral House, St Leonard's Road, Windsor, Berkshire SL4 3BL

ROCOL A division of **ITW** Ltd

