

# BioMERKAN RS



Grease



Biodegradable water resistant calcium grease.

## APPLICATIONS

**Water resistant grease**  
**Marine applications**

**Recommendation**

- **BioMERKAN RS** is pre-eminently designed for the lubrication of slow rotating slide bearings and articulations used in marine applications such as stern tubes, and 'industrial' applications such as conveyor belts.
- **BioMERKAN RS** has been developed for loss lubrication in environmental sensitive areas, is also suitable as a non "EP" general purpose grease in a wide range of 'outdoor' applications where water is in frequent contact with the grease.
- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system.

## SPECIFICATIONS

- ISO 6743-9: L-XBBEA 3
- DIN 51502 : ME3E-20

## ADVANTAGES

**Biodegradable**  
**Water resistant**  
**Pumpability**

- **BioMERKAN RS** is insoluble in water, leading to a remarkable resistance to water wash-out.
- Because of the smooth and fluid structure **BioMERKAN RS** is easily pumpable and therefore suitable for centralized lubrication systems.

TYPICAL CHARACTERISTICS	METHODS	UNITS	BioMERKAN RS
Soap/thickener		-	Calcium
NLGI grade	ASTM D 217/DIN 51 818	-	3
Color	Visual	-	Yellow/ brown
Appearance	Visual	-	Smooth
Operating temperature range		°C	- 20 to 90
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	220 - 250
Anti-rust performance SKF- EMCOR	DIN 51 802/IP220/NFT 60-135/ISO 11007	rating	0 - 0
Dropping point	IP 396/DIN ISO 2176	°C	> 140
Kinematic viscosity of the base oil at 40°C	ASTM D 445/DIN 51 562-1/ISO 3104/IP71	mm <sup>2</sup> /s (cSt)	32

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
Industrie & Spécialités  
22-06-2010 (supersedes 18-07-2001)  
BioMERKAN RS  
1/1



This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.  
A material safety data sheet conforming to the regulations in use in the E.C. is obtainable via your commercial adviser [www.quick-fds.com](http://www.quick-fds.com).