



# TECHNICAL DATA

## GB UNIGREASE® AS

### APPLICATIONS

GB UNIGREASE® AS is a high performance, premium quality anti-seize compound manufactured using the latest performance additives designed to reduce wear, improve performance and extend component life. GB UNIGREASE® AS has been designed for use on all types of threaded connections, such as pipes, flanges and fasteners, subjected to high temperatures and/or corrosive environments. Typical applications include pipefitting and valves in the chemical and petrochemical industries, gas refineries and on oil drilling equipment. Suitable for use as an anti-seize up to 1100°C, the compound overcomes galling on assembly and greatly reduces dismantling torque. GB UNIGREASE® AS has also found limited use in wide tolerance bearings, such as for kiln car lubrication at extreme temperatures.

### PERFORMANCE FEATURES

GB UNIGREASE® AS is formulated for use on threaded connections throughout all industries and offers the following features:

- Prevention of seizure and galling during assembly, thereby reducing assembly time
- Easy dismantling of components subjected to high temperatures
- Provision of an effective anti-seize in saturated conditions, including salt water
- Fast and easy dismantling of components, allowing them to be reused

### METHOD OF APPLICATIONS

Apply sparingly by brush to the threaded components prior to assembly. For optimum performance, ensure that both the threaded surfaces are completely coated with GB UNIGREASE® AS.

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## **GB LUBRICANTS**

Albany Road Gateshead NE8 3BP

Tel: 0191 490 4312  
Fax: 0191 477 9544  
e-mail: gblsales@gblubricants.co.uk  
www.gblubricants.co.uk

Trading Name of Goodall Bates & Todd Ltd



# GB LUBRICANTS

**TYPICAL PHYSICAL CHARACTERISTICS**

Appearance	-	Smooth copper paste
NLGI Classification	-	1/2
Thickener	-	Bentone
Base Oil	-	Mineral oil
Base Oil viscosity @ 40°C (ASTM D445)	-	100 cSt
Worked penetration 25°C (API RP 5A3-Annex C-ASTM D217)	-	280-320 dmm
Dropping point (API RP 5A3-ASTM D2265)	-	>280°C
Copper corrosion (API RP 5A3-ASTM D4048)	-	1b
Solid lubricant	-	Copper/Graphite
Copper content	-	2.5%
Coefficient of Friction (sliding, steel-on-steel) (ASTM D2266)	-	0.11
Theoretical K-Factor calculated from ASTM D2266 data	-	0.234
Operating Temperature Range as a lubricant	-	-20°C to +200°C
Upper Temperature Range as an anti-seize	-	1100°C

**STORAGE AND HANDLING**

GB UNIGREASE® AS should be stored under cover to avoid water collecting in the rim of upturned pails, ideally avoid freezing temperatures and sources of heat.

Further information on GB UNIGREASE® AS can be obtained by referring to the corresponding Safety Data Sheet.

***The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations without prior notice.***