

# Technical Data Sheet

TDS B771 Nickel Anti-Seize

Revised 03.08.10



## Bondloc B771 Nickel Anti-Seize

### PRODUCT DESCRIPTION

B771 with its unique combination of properties, ensures rapid and easy assembly of threaded parts. It reduces torque, prevents seizing and galling. It gives a quick and easy breakout of threads, gaskets and packing even after long exposures to high temperatures, corrosive conditions or extreme surface pressures. It reduces wear in areas of high friction.

- Very high working temperature
- Resists corrosion and scaling
- Excellent mechanical stability under high load

### APPLICATIONS

B771 lubricant is a high and low temperature anti-seize assembly compound range any sub-zero temperature to 1500°C.

Protection against seizure even in extreme service conditions.

Ease and economy of labour when assembling and dismantling equipment.

Improved protection against rust, oxidation and other corrosion.

### USEFUL HINTS / NOTES

The copper particles form a matrix, which fills irregularities in the surface to which B771 has been applied. This matrix never hardens, sets or melts and so it is not disturbed by vibration contraction or expansion. In use e.g. while tightening a thread, the B771 hones the surfaces and fills the metal pores to form a tough "plating". This means that there is no galling under extreme surface pressures.

### PROPERTIES

B771 consists of micro-size particles of Nickel in a non-melt Bentone grease base, with a proportion of synthetic lubricant to give film strength.

These are the basic anti-seize ingredients, to which are added highly effective oxidation and corrosion inhibitors.

### INSTRUCTIONS FOR USE

1. Stir the B771 well before using
2. For best results remove oil, grease and dust
3. Apply a light coating of B771 to parts requiring protection
4. Assemble parts
5. Wipe away excess lubricant
6. To prevent contamination of unused product, do not return any material to it's original container
7. B771 is not to be used on high speed load carrying applications such as ball or roller bearing
8. It is not recommended for high stress grade 8 bolts where stress corrosion may occur

### STORAGE

Store in a cool area out of direct sunlight.

Shelf Life >12 months at 20°C.

### HEALTH & SAFETY IN USE

Observe good housekeeping practices. Read MSDS.

### TECHNICAL FEATURES

Chemical Type	Mineral Oil, Nickel
Appearance	Thick Grey Paste
Viscosity	Viscous paste
Flash point of base oil	249°C
Worked penetration at 25°C	242 - 281
Solidifying Temperature	-18°C
Co-Efficient of friction	0.1

### PRESENTATION

Tin.....500g

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

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