

# Superdraw PIB-S

A High Viscosity, Water Washable Non-Chlorinated Neat Oil

## Description

**Superdraw PIB-S** is a high viscosity high performance cold metal forming lubricant designed to be used neat or diluted with mineral oil. It is suitable for bending and drawing of titanium and aluminium tubes.

The product has been developed containing high levels of polymer and lubricant additives which are designed to protect tooling and improve surface finish in cold metal forming applications where high performance characteristics are required either due to the severity of operation or due to the material being formed.

It is based on water soluble polymer chemistry to allow for the removal of lubricant residues by hot water rinse alone.

It has clean anneal properties which allow for removal in anneal process.

## Typical Applications

Typical applications would include tube bending, drawing, deep drawing, pilgering, blanking, piercing, perforating and heavy duty stamping in materials such as aluminium alloys, titanium, carbon steels, stainless steels and coated materials. On more sensitive materials it is recommended that stain testing is carried out before entering high volume production.

## Application Method

**Superdraw PIB-S** can be applied by hand, dip, swab, drip, pad or spray systems capable of handling a material of this viscosity.

In less severe applications **Superdraw PIB-S** can be diluted with mineral oil.

## Typical Data

Appearance	Viscous Fluid
Kinematic Viscosity @ 40°C	~4500 mm <sup>2</sup> /s
Halogen content (% Weight)	Nil
Specific Gravity @ 20°C	0.95

## Health and Safety

For full Health & Safety Data please refer to the relevant MSDS sheet for this product.

### John Neale Ltd

25 Fairfield Road, Halesowen, West Midlands, B63 4PT  
Tel 0121 585 8793, Fax 0121 585 8793  
[www.johnnealeltd.co.uk](http://www.johnnealeltd.co.uk) [info@johnnealeltd.co.uk](mailto:info@johnnealeltd.co.uk)