

## Technical Data

# Tubol™ SN 80

Formerly Tubol 70S

## Non-ferrous tube drawing lubricant



### Description

Tubol SN 80 is a low-viscosity OD lubricant formulated with refined base oils, for the cold working of copper and copper alloys in tubes, rods, strips, and bars.

Optimised for use on OD finishing applications, inner groove tubing production (IGT) and Schumag-type machines, where lower viscosity is favoured to provide rapid wetting, uniform film coverage, and efficient heat dissipation. Its residual oil film also produces low carbon residues after annealing, reducing the need for post-process cleaning.

The Tubol range also includes other drawing lubricants to match different processes.

### Features and Benefits

- Provides excellent lubrication for the outside diameter, particularly on IGT lines
- Delivers optimal lubrication for extended tool life and enhanced surface finish on the drawn material
- Offers exceptional bright annealing characteristics during heat treatment in inert, dry atmospheres
- Low carbon residues, reducing the need for post-annealing cleaning and improving efficiency
- Removes heavy lubricants from break-down draws through solvency and flushing action
- Easily degreased compared to higher viscosity polymeric lubricants, reducing maintenance and improving cleanliness

### Recommended Instructions for Use

Tubol SN 80 should be applied to the work piece in its neat form, most commonly by re-circulation from a holding tank.

Refer to the product safety data sheet for guidance on safe handling, storage, and disposal.

### Storage

Store Tubol SN 80 out of direct sunlight and protect from frost. Storage temperature should be controlled to between 5°C and 35°C.

The most up to date shelf-life information for Metalube products can be found on the certificate of analysis issued at the time of manufacture.

### Pack Sizes

| Code    | Pack         |
|---------|--------------|
| F401925 | 200 Ltr drum |

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| Property                    | Test method | Results                 |
|-----------------------------|-------------|-------------------------|
| Appearance                  | MSTM 1      | Clear colourless fluid  |
| Kinematic viscosity at 40°C | MSTM 27     | 80 cSt                  |
| Density at 20°C             | MSTM 23     | 0.88 g.cm <sup>-3</sup> |
| Residue TGA D50-550         | MSTM 91     | <2.5%                   |

Note: these values are typical only and do not constitute a specification