

Technical Data

Tubol™ Decoiling fluid

Non-ferrous tube process fluid



METALUBE®

Description

Tubol de-coiling Fluid is formulated for application to ACR copper tubes prior to annealing to prevent the sticking/welding of tightly wound, heavy coils in the furnace and allows for easier de-coiling of the tubes by the end-user. Tubol De-coiling Fluid works best for tubes annealed in the temperature range of 400°C - 520°C. For tubes to be annealed up to temperatures of 600°C, Tubol De-coiling Fluid H is preferred.

Tubol De-coiling Fluid is a medium viscosity, colourless liquid, which can be mixed with solvents (e.g. odourless kerosene) to produce a diluted fluid suited to the operating conditions of the plant. For example, a 2:1 solution in a suitable solvent (2-parts solvent to 1-part Tubol De-coiling Fluid) usually provides an adequate film on the surface of the tube.

Features and Benefits

- Prevents sticking/welding of level wound coils during the annealing process
- Excellent bright annealing characteristics in heat treatment processes with inert, dry atmospheres
- Eases pay-off/de-coiling by the end-user during manufacture of air-conditioning/refrigeration systems
- Reduces surface damage/scratching of the tubes during transportation and de-coiling
- No carbon deposits left on the copper surface after annealing
- No staining or corrosion of the copper tube surface after the annealer
- Offers some protection of the copper tube from oxidation during storage and transportation

Recommended Instructions for Use

Tubol De-coiling Fluid is applied by drip feed from a small reservoir onto a sponge or other absorbent material, which passes around the circumference of the tube. The product is usually applied during the level winding process.

Storage

Store Tubol Decoiling fluid products 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
F404808	1000 Ltr IBC
F404825	200 Ltr barrel

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Property	Test method	Results
Appearance	MSTM 1	Clear yellow fluid
Kinematic viscosity at 40°C	MSTM 27	245 cSt
Density at 20°C	MSTM 23	0.88 g.cm ⁻³

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

Limited warranty information

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. We accept no liability for any loss and/or damage arising from a failure to store our products in accordance with the information contained in this technical sheet. Metalube Group's sole warranty is that our products will meet their quality control specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. To the fullest extent permitted by applicable law, Metalube Group specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Metalube Group disclaims liability for any incidental or consequential damages.

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