

PRODUCT DATA

CINDOL® 3411

**VANISHING LUBRICANT FOR AIR CONDITIONER,
REFRIGERATOR AND HEATING UNITS**

**NO CLEANING NECESSARY - FOR FIN DIES, TUBE BENDING AND
TUBE EXPANSION - LONGER DIE LIFE, MORE PRODUCTION**

Cindol 3411 is a vanishing type lubricant used specifically for air conditioner fin press lubrication or any other light duty stamping of aluminum and ferrous metals. Its odorless carrier solvent evaporates readily and leaves a minimum residue. This means no cleaning is necessary after the stock leaves the press. The remaining residue is so slight that it will not produce a solvent odor.

Aluminum heat exchange units for air conditioning and heating can be made and assembled faster at less cost with **Cindol 3411**. Its unique ND additive drastically reduces metal pickup and galling. This means you can operate presses at maximum speeds without cracking or breaking of fin collars for increased production. Die life with **Cindol 3411** is many times longer than with conventional lubricants. These same benefits are important in tube bending. In expanding, there is no pickup on the mandrels.



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FEATURES

The additive package in **Cindol 3411** leads to the following:

- ◆ No cleaning necessary - eliminates vapor degreasing costs
- ◆ No solvent odor
- ◆ Reduces metal pickup and galling
- ◆ Increased production
- ◆ Long die life
- ◆ Compatible with refrigerants
- ◆ Eliminates corrosion on metals
- ◆ Cleaner work areas - eliminates oil soaked floors

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear liquid
Odor	Bland
Flash Point, °F (°C)	
Closed Cup	125 (52)
Open Cup	135 (57)
Pounds per Gallon @ 60°F	6.6

SHIPPING INFORMATION

Cindol 3411 is available in 55 (U.S.) gallon (208 liter) steel drums.

SHIPPING CLASSIFICATION

Petroleum Oil N.O.S.

STORAGE/HANDLING/DISPOSABILITY

No health or safety hazards exist when **Cindol 3411** is stored, used and disposed of in accordance with instructions given on the Material Safety Data Sheet for this product.

WARRANTY

The information given here is considered to be correct and is offered for your consideration, investigation and verification. No warranties are expressed or implied, since the use of our products is beyond our control. Statements concerning the use of Houghton products are not to be construed as recommending the infringement of any patent.

EXPORT STATEMENT

This commodity and its technology are subject to the export control laws and regulations of the United States Government. Buyer agrees that it shall not make any disposition, by way of export, diversion, transshipment, re-export or otherwise, except as expressly permitted under United States law.

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