

PRODUCT DATA

CINDOL® 2820

NON-CHLORINATED SOLUBLE METALWORKING LUBRICANT CONTAINING THE UNIQUE HOUGHTON "ND" ADDITIVE

Cindol 2820 is a unique water soluble lubricant which has provided excellent results in both ferrous and non-ferrous metalworking operations, with the advantages of the Cindol "ND" additive.

Cindol 2820 incorporates special emulsifiers and contains no sulfur or chlorine. **Cindol 2820** has been proven to be safe and non-staining on all metals. Product has proven itself as an exceptional lubricant in many critical metal forming operations.

Cindol 2820 performance record includes roll forming of difficult aluminum alloys, a successful lubricant for the continuous casting of aluminum rod, in the Properzi process; also, a water soluble lubricant for intermediate and fine wire formation. Houghton's **Cindol 2820** gives improved results in general lubrication, forming and drawing operations.

APPLICATION

Cindol 2820 may be applied by drip, spray, or recirculating flood.

FEATURES

- * Water Soluble
- * Brighter metal surfaces
- * Faster forming speeds
- * No chlorine, sulfur

BENEFITS

- * Excellent Lubricity
- * Non-staining
- * Handles both ferrous and non-ferrous
- * Environmentally responsible



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TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Viscosity @ 100°F (28°C)	400 SUS
Appearance	Dark amber liquid
Odor	Bland
pH (10% emulsion)	8.5 - 9.0
Flash Point, Neat	Greater than 300°F (149°C)
Pounds per Gallon	7.58
Specific Gravity	0.9

SHIPPING INFORMATION

Cindol 2820 is available in 55 (U.S.) gallon (208 liter) drums and bulk.

SHIPPING CLASSIFICATION

Metal Drawing Compound

STORAGE/HANDLING/DISPOSABILITY

No health or safety hazards exist when **Cindol 2820** 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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