

# TECHNICAL DATA SHEET

## 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.

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

#### Benefits

- Water soluble - excellent lubricity
- Brighter metal surfaces - Non-staining
- Faster forming speeds - handles both ferrous and non-ferrous
- No chlorine, sulfur - Environmentally responsible.

#### Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

#### Typical Physical Properties

PROPERTY	TYPICAL VALUE
Appearance	Dark amber liquid
Viscosity @ 100°F (28°C)	400 SUS
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

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose. 73282000

