

PRODUCT DATA

HOUGHTO-DRAW® 33

HIGHLY FORTIFIED, MEDIUM VISCOSITY METAL FORMING LUBRICANT

Houghto-Draw 33 is a medium viscosity drawing oil designed for use on medium to heavy duty forming operations where carbon and stainless steel are being used. **Houghto-Draw 33** contains no pigment or sulfur and is especially suited to high speed processes where excessive heat is generated. **Houghto-Draw 33** contains a highly chlorinated additive plus a fatty oil which enhances wetting and clings to metal. **Houghto-Draw 33** can handle multiple operations, including deep drawing, piercing, stamping and perforating.

APPLICATION

Houghto-Draw 33 is recommended to be used neat, but can be diluted with light mineral oil. Product may be applied by swab, brush, roller coat, dip or spray.

CLEANING

Houghto-Draw 33 can be removed by most alkaline cleaners or by vapor degreasing. Use Cerfa-Kleen HST @ 6-8 oz./gal. @ 180°F.

FEATURES

- * Medium viscosity, high chlorine
- * Handles carbon and stainless steel
- * Multiple purpose

BENEFITS

- * Excellent lubricity
- * Good metal wettability
- * Removal in alkaline cleaners



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TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Viscosity @ 100°F (38°C)	1,000 SUS
Appearance	Amber liquid
Odor	Bland
Pounds per Gallon	9.1
Specific Gravity	1.1

SHELF LIFE

One (1) year

SHIPPING INFORMATION

Houghto-Draw 33 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 **Houghto-Draw 33** 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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