

# PRODUCT DATA

## HOUGHTO-GRIND<sup>®</sup> 4253-B

### COBALT INHIBITED GRINDING FLUID

**Houghto-Grind 4253-B** is designed to inhibit Cobalt leaching associated with the grinding of carbide components. **Houghto-Grind 4253-B** combines excellent rust protection with low foaming characteristics and long sump life. It was formulated to reject tramp oil that can cause smoking or misting and premature spoilage of a coolant.

**Houghto-Grind 4253-B** is formulated with a combination of ingredients that provide a greater resistance to microbial degradation of the fluid.

Field tests have shown that the synergies of the components in this product will reduce the frequency of sumpside additions of antimicrobial agents.

### TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

Appearance, undiluted	Amber liquid
Appearance @ 5%	Clear, colorless solution
pH, 5% solution	9.0
Density, pounds/gallon	8.9

### CONCENTRATION DETERMINATION

**Houghto-Grind 4253-B** solutions are easily checked using an American Optical Refractometer. Simply multiply the refractometer reading by 2.4 to obtain product concentration.



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**SHELF LIFE**

Under normal conditions, the recommended shelf life for **Houghto-Grind 4253-B** is twelve (12) months.

**SHIPPING INFORMATION**

**Houghto-Grind 4253-B** is shipped in 55 (U.S.) gallon (208 liter) drums and in bulk.

**STORAGE/HANDLING/DISPOSABILITY**

No health or safety hazards exist when **Houghto-Grind 4253-B** 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.