

# HOUGHTO-QUENCH C 105

(Formerly HOUGHTO-QUENCH 105)

GENERAL PURPOSE COLD QUENCHING OIL – (ISO 6743 – 14) UHA

## DESCRIPTION

HOUGHTO-QUENCH C 105 is a normal speed quenching oil suitable for use at temperatures of up to 80°C.

HOUGHTO-QUENCH C 105 does not contain additives which react with cyanide, and is, therefore, suitable for use in conjunction with cyanide containing salt baths.

## APPLICATIONS

HOUGHTO-QUENCH C 105 is designed for both general purpose and salt bath quenching applications and is suitable for use in open quench tanks, sealed quench furnaces and continuous furnaces of the shaker hearth, cast link and mesh belt type.

HOUGHTO-QUENCH C 105 is formulated to provide maximum economy in use, has uniform quenching characteristics and is suitable for use where normal speed quenching characteristics are required

## TYPICAL PHYSICAL PROPERTIES

<i>Appearance</i>	<i>Clear yellow</i>	<i>visual</i>
<i>Specific Gravity @ 15.5°C</i>	<i>0.861</i>	
<i>Kinematic Viscosity @ 40°C in mm<sup>2</sup>/s</i>	<i>21</i>	<i>ASTM D445</i>
<i>Kinematic Viscosity @ 100°C in mm<sup>2</sup>/s</i>	<i>4</i>	<i>ASTM D445</i>
<i>Flash Point COC in°C</i>	<i>200</i>	<i>ASTM D92</i>
<i>Maximum Cooling rate in °C/s @ 40°C</i>	<i>55</i>	<i>ISO 9950</i>

## BENEFITS

- Economic - Consistent performance under the most arduous of operating conditions
- Economic - Uniform quenching characteristics maintained over a range of operating temperatures

## RECOMMENDATION FOR USE

Use as supplied - neat quenching oil application

## RELATED PRODUCTS

Product is compatible with the full range of Houghton's portfolio, especially with the Houghto-Clean and Ensis corrosion protection range. For more information, please contact your local Houghton representative.

## STORAGE

Please refer to section 7 of Safety Data Sheets for handling and storage information, including product shelf life. Product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature is usually between 5°C and 40°C unless otherwise specified. Use stock in delivery rotation.

## HEALTH AND SAFETY

Safety data sheets are available in accordance with Regulation (EC) No 1907/2006 Annex II where a substance or preparation meets the criteria in accordance with Directives 67/548/EEC or 1999/45/EC.



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## COOLING CURVE - EFFECT OF TEMPERATURE ON QUENCHING CHARACTERISTICS



