

# HOCUT 120-EP

Heavy Duty Soluble oil with Extreme Pressure additives

## DESCRIPTION

**HOCUT 120-EP** provides excellent cooling, lubricity, and rust protection for use in a wide range of grinding and machining operations on ferrous and non-ferrous metals.

**HOCUT 120-EP** is a heavy-duty Soluble cutting oil.

**HOCUT 120-EP** has its increased lubricating properties due to the presence of Sulpho-Chlorinated additives. This product is recommended for general purpose light to medium duty pressing, stamping, wire and tube drawing operations. This product is also specially designed for severe operations on difficult to machine materials.

**HOCUT 120-EP** is suitable for all machining operations, including high speed grinding. Its value is shown particularly in arduous machining operations and where high degree of finish is required.

## FEATURES

- Excellent cooling and lubricating
- Extended tool life
- Low foaming tendency
- Nitrite, silicone, and heavy metal free
- Easy emulsification - stable emulsions
- Good rust protection - machine and parts
- Easy removal from parts
- High E.P. additive package give excellent machining properties.
- Applicable for Ferrous and Non-Ferrous metals

## TYPICAL VALUES

Product Appearance	Clear Pale Fluid
Emulsion Appearance @5%	Translucent Brown
pH @5 %v/v	9.0
Specific Gravity @15°C	1.038 kg/L
Brix Concentration Factor	1.0
Cast Iron corrosion Test	0/0-0
Emulsion Stability in 500ppm	Stable in 24hrs

## HEALTH AND SAFETY

Refer to MSDS for proper handling and disposal. Please note that the MSDS includes handling, health and disposal information which should be passed on to your employees, and to anyone else who comes in contact with our product. Additional advice can also be obtained from your local Houghton representative.

NOTE: Read and understand all precautions on container labels before using this product.

01 July 2011 Version 1.0, Code: HOC 120EP



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This document contains information based on data that is believed to be correct. However, the product may not be applicable to all uses and operating environments. No warranty or guarantee is expressed or implied.

# HOCUT 120-EP

Economical Soluble oil for metal removal applications

## REFERENCES

**HOCUT 120-EP** is suitable for all removal and grinding operations as well on standalone machines and in central systems.

## HOW TO USE

The concentration of **HOCUT 120-EP** varies depending on the type of machining operation, the water hardness and the required inter-operational corrosion protection.

General machining : 4 – 6 %

Severe cutting operations : 5 – 8 %

Grinding : 3 – 5 %

This may be customised to suit individual needs or solutions, which may vary from time to time. Houghton strongly advises that you contact your Sales Representative to discuss before commencement of use.

## SHELF LIFE & AVAILABILITY

Under normal conditions the recommended shelf life for **HOCUT 120-EP** is a minimum of Twelve (12) months, unless otherwise specified. The product should be stored inside (5 -40°C) for no more than 1 year and be protected from freezing.

**HOCUT 120-EP** is available in Pail, Drum or Tote. Other sizes may be available upon request , please contact your Houghton sales representative.

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## RELATED PRODUCTS

- CUT-MAX®: Straight cutting oils
- GARIA™: Straight cutting oils
- MACRON™: Straight cutting and honing oils
- EXCELENE™: Straight cutting and honing oils
- DASCOLENE™: Straight OEM approved cutting oils
- HOCUT®: Water miscible metalworking fluids
- DASCOOL™: Water miscible metalworking fluids
- DROMUS™: Soluble metalworking fluids
- ADRANA™: Micro-emulsion metalworking fluids
- SITALA™: Semi-Synthetic metalworking fluids
- METALINA™: Synthetic metalworking fluids
- HOUGHTO-GRIND®: Straight and water miscible grinding fluids
- HOUGHTO-DRAW®: Straight and water miscible drawing stamping and forming fluids.
- CINDOL™: Straight and water miscible drawing and forming fluids especially for Aluminium parts.
- FENELLA™: Straight and water miscible drawing, stamping and forming fluids.
- CERFA-KLEEN®: Water miscible cleaning fluids
- VIBRA-KLEEN®: Water miscible vibrating cleaning fluids
- CALLINA™: Water miscible cleaning fluids
- RUST VETO®: Straight and water miscible rust preventive fluids.
- ENSIS™: Straight and water miscible rust preventive fluids.
- COSMOLINE®: MIL-SPEC Straight and water miscible rust preventive fluids.



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