

TECHNICAL DATA SHEET

CAL-CUT CI 1110

High Performance Neat Cutting Oil

DESCRIPTION

CAL-CUT CI 1110 is a low viscosity neat cutting oil free of Chlorine, Zinc & heavy metals.

CAL-CUT CI 1110 is fortified with anti-wear and extreme pressure additives to improve cutting performance and tool life.

APPLICATION

CAL-CUT CI 1110 offers improved performance on ferrous and non-ferrous materials like steel alloys, titanium alloys and non-ferrous metals.

CAL-CUT CI 1110 is designed for grinding, drilling and general machining of ferrous metals. It contains active Sulphur and is not compatible with yellow metals.

SPECIAL FEATURES

Chlorine, Zinc and heavy metals free makes the product operator and environmental friendly

- Advanced additive technology gives high lubrication properties and lowers production costs through extended tool life.
- High removal rate increases the productivity.
- Low viscosity and excellent wetting characteristics reduces drag out.

HEALTH AND SAFETY

For proper handling and storage, please refer SDS, and share the information to user. For any other information, please contact Callington representative.

The product is available in 210 Liters-Drum and 20 Liters-Pails

TYPICAL DATA

PARAMETERS	METHOD	TYPICAL VALUES
Appearance	Visual	Clear, yellow to amber fluid
Density @ 29.5 °C, g/cm ³	ASTM D 4052	0.8416
K. Viscosity @ 40 °C, cSt	ASTM D 445	11.5
Flash Point, COC, °C	ASTM D 92	> 150
Copper Corrosion, [3h, 100 °C]	ASTM D 130	4c

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CALLINGTON PRODUCTS

Callington's **SYN** and **CAL-COOL ES** series are proven product for use in all metalworking applications.

Apart from above, Callington is having below product range:

Cal-Cut series of neat cutting oils available for all neat oil applications.

CalGuard DW and DWP series of Rust Preventives suitable for protection up-to 12 months

Pro-Clean series of cleaners suitable for removing different soils from components and meet the Millipore requirement

Evap-Lube series of stamping oils

Eco-Tap Spray for drilling, tapping, cutting

COOLANT MANAGEMENT

- Neat oils are relatively maintenance free fluids when compared with water miscible fluids
- However neat oils shall be filtered on regular basis, depending on chips accumulation, to remove metal fines
- The metal fines may react with cutting fluids and act as catalyst for oxidation
- The presence of metal fines in cutting fluid may also cause surface finish issues
- It is always recommended to avoid mixing of lube oils / hydraulic oils in the cutting fluid, as the contamination may deteriorate the performance of cutting fluid.

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