

TECHNICAL DATA SHEET

HOCUT® 795 SP

SEMI-SYNTHETIC MACHINING AND GRINDING FLUID

Many of today's modern machine shops require the use of one coolant capable of working in many applications on a wide variety of metals. HOCUT® 795 SP is just such a product. It is a versatile product which can be used for many machines and metals, which include bar machines, milling machines, lathes, chucks, centerless and cylindrical grinders. Whether you're cutting high or low carbon steels, alloy steels or nodular iron, grey iron or 300 and 400 series of stainless steel, HOCUT® 795 SP is the choice. It is especially suitable for ferrous metal grinding.

Applications

HOCUT® 795 SP is formulated with a combination of ingredients that provide a greater resistance to microbial degradation of the fluid, which will reduce the need of costly sumpside biocide addition. It doesn't contain Sulfur or Chlorine EP additives. It is boron, formaldehyde, nitrite and phenol free, which are harmful to the environment and human health. HOCUT® 795 SP is compatible with hard water, clean running and biostable, which assures long, odor-free sump life. It provides corrosion protection without staining and affords good lubrication for machine ways and indexing mechanisms. Low foaming characteristics make HOCUT® 795 SP as an excellent choice for modern high pressure applications.

Recommendation For Use

The recommended usage concentration of HOCUT® 795 SP for Machining is from 20:1 (5%) to 10:1 (10%) and for Grinding is from 33:1 (3%) to 20:1 (5%).

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

Benefits

- Excellent bio-stability assures long sump life—reduce disposal cost/less down time/operator acceptance.
- Excellent corrosion—In-process protection of machinery and parts.
- Excellent machining performance—increases the tool life and improves surface finish.
- Good cleaning/ low foam—excellent EHS profile

Health, Safety And Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Typical Physical Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance (neat)	Clear amber liquid	Visual
Specific Gravity	0.98	[ASTM D4052]
Appearance (diluted)	Opaque White Emulsion	Visual
pH @5%	9.8	[ASTM E 70]
Brix factor	1.35	
Viscosity, Kinematic @40°C	56.7	cSt [ASTM D 445]

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose. 42079505-M

