

METAL REMOVAL FLUIDS

QUAKERCOOL® 7200 HBFF BORON FREE METALWORKING WATER SOLUBLE COOLANT

APPLICATION SHEET

BENEFITS

- » **Formaldehyde free**
- » **Boron free**
- » **Guaranteed surface finish especially on aluminium and its alloys**
- » **Increase tool life**
- » **Mild smell**
- » **Excellent wetting and onctuousity abilities giving high cutting performances**
- » **Avoid build-up on machines**

APPLICATIONS

High performance micro-emulsion ideally suited to all operations where high surface finish quality and high lubrication is needed. Ideal for general purpose machining of most engineering materials

- » Recommended for all machining operations on steel, cast iron and aluminium alloys.
- » Concentration range: 5 - 10% depending on type of operation
- » Make up water hardness: 160 - 330 ppm (16 - 33 ° TH, 10 - 20 ° dH).

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APPLICATION SHEET

	Turning	Milling- Drilling	Sawing	Grinding	Honing- Lapping	Reaming	Tapping	Threading	Deep hole drilling	Broaching
Steel	●	●	●	○		●	●		●	●
Stainless steel	●	●	●	○		●	●		●	●
High alloy steel	●	●	●	○		●	●		●	●
Titanium	●	●	●	○		●	●		●	●
Carbide tool										
Cast-iron	●	●	●	○		●	●		●	●
Copper alloys										
Aluminium alloys	●	●	●	○		●	●		●	●
Aeronautical Aluminium alloys										

● Main application ○ Possible application

The above information should only be used as a guide. In order to check the suitability for your particular application please consult a Quaker representative.

PROPERTIES

PROPERTY	TYPICAL VALUE
Appearance	Light hazy
Colour	Light Amber
Viscosity (mm ² /s, 40°C)	82
Density[kg/m ³ , 15°C]	946
Pour point[°C]	<4

The data above can not be used as a product specification

STORAGE AND HANDLING

The product is available in drums (190kg) or totes (950kg). All containers are filled to volume by weight. Like most chemicals, it should be stored out of direct sunlight in temperatures between 4°C and 40°C.

FLUID MAINTENANCE

The product is diluted into water prior to use. Always add product to water to avoid creating an invert emulsion. Please consult with your Quaker Process Engineer for more information.

CLEANING AND PROTECTING

To clean and protect after the metal removal operation, use QUAKERCLEAN® (cleaners) and FERROCOTE® (corrosion preventives) to enhance process compatibility. Consult your Quaker representative.

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