



TOOL MATE® Plasma

DESCRIPTION

TOOL MATE® Plasma is a customised fluid for the plasma industry. It is a mineral oil, chlorine and nitrite free, synthetic metal working coolant, specially designed for machining of **carbon steel, cast iron, ferrous alloys**.

APPLICATION

TOOL MATE® Plasma protects aluminium and copper alloy parts mounted on the plasma machine and bed.

It offers improved machining cleanness to tool and parts.

TOOL MATE® Plasma has been tested in soft to hard water hardness conditions, is economical and low maintenance in use, and provides exceptional long sump life to meet the requirement of plasma wet bed operation.

It is equally suitable for use in large centralised coolant systems and for small individual coolant sumps.

BENEFITS

- Optimised lubricity additives to extend tool life.
- Minimised misting in high temperature cutting drilling zone, low odour.
- Mineral oil, chlorine and nitrite free, providing high health, safety and environmental compliance standards, and reduced waste treatment costs.
- Excellent wetting properties, reduce “drag out” and product usage, and provide cleaner operating conditions and components.
- Exceptional product stability in hard water. Good tolerance to water hardness build up in large plasma fluid bed over time.
- Low foaming characteristics in soft water conditions, eliminates the use of antifoams and reduces system maintenance costs.
- Excellent anti corrosion properties to protect ferrous and non ferrous machine tools and components.
- Multi metal compatibility offers opportunity for product consolidation.

TYPICAL DATA (note: data is typical and does not constitute a specification).

Concentrate	Test Method	Typical Result
Appearance	Visual	Clear Light Green
Density	DIN 51757/ASTM D1298	1.06
Emulsion	Test Method	Typical Result
Appearance	Visual	Clear
PH at 5%	DIN 51361/ASTM E70-97	9.0
Refractometer Index		2

PACKAGE: 20L, 200L, 1000L

STORAGE AND HANDLING: Keep container closed, prevent exposure to frost, and prevent water ingress. Store in cool, dry conditions, avoid direct sunlight. Indoor storage is preferable.

TOOL MATE®
Fluids

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