

YUMATE FGE-378M

Heavy Duty Chlorine Free Water Miscible Cutting Fluid

PRODUCT DATA SHEET

GENERAL DESCRIPTION:

YUMATE® FGE-378M machining fluid is a chlorine free hard water stable, water soluble oil coolant for heavy duty machining of aluminum alloys and cast iron. **YUMATE® FGE-378M** is specifically formulated for machining difficult to work metals. Excellent lubrication and permeability make **YUMATE® FGE-378M** excellent for Gun Drilling, Reaming, Tapping, etc.

YUMATE® FGE-378M has excellent resistance to microbial growth and is formulated to be non-irritating to the skin.

BENEFITS:

- Chlorine Free Premium Quality Formulation
- Excellent Bio-Resistant Formulation
- Hard Water Stable
- Excellent Permeability Formulation
- Safe to Use - No Nitrites, Triazine or Phenols

PROPERTIES:

Color (ASTM)	L2.0
Appearance (Concentrate).....	Brown Liquid
(Diluted)	White Emulsion
Specific Gravity (20/20°C).....	0.95
(5% Solution)	10.1

USING PROCEDURES:

Cast Iron and Aluminum Alloys

General Machining:.....	5% - 7%
Gun Drilling, Reaming, Tapping:	8% - 10%

Steel Alloys:

General Machining:.....	5% - 7%
Gun Drilling, Reaming, Tapping	8% - 10%

MATERIAL SAFETY:

YUMATE® FGE-378M is safe for most ferrous and aluminum. **YUMATE® FGE-378M** is not designed for use on copper and it's alloys as staining could occur. Do not use on Magnesium or Titanium. **YUMATE® FGE-378M** is not designed as a rust protective coating after machining processes. Should ferrous parts require storage protection, YUMAGE® WSW-280 or a YUMAX® Rust Preventative may be required. Consult with your Yuma Account Manager for the proper product recommendations.

STORAGE:

Keep in a cool, dry area. Does not freeze in concentrated form.

PRECAUTIONS:

Please refer to the label and Material Safety Data Sheet for all warnings, recommendations for safety equipment, and other regulatory information.

CONCENTRATION CONTROL:

Refractometer Index: BRIX 4.5 @ 5% Solution

AVAILABILITY:

Pails, drums, totes, and bulk.