



PRO-CHEM-CO, INC.

TECHNICAL DATA

PRO-CUT 412

MEDIUM-DUTY SEMISYNTHETIC COOLANT

DESCRIPTION:

PRO-CUT 412 is a low oil semisynthetic coolant specifically formulated to machine aluminum and other soft metal alloys. A synergistic blend of five lubricants PRO-CUT 412 optimizes both tool life and part finish. PRO-CUT 412 forms a micro-emulsion in water, which extends sump life and reduces friction. PRO-CUT 412 is the perfect choice to machine alloys sensitive to staining or discoloration by oxidation or chemical attack.

BENEFITS:

- Nonstaining to aerospace alloys
- Bioresistant to both bacteria and fungi
- Good detergency – keeps machine tools clean
- Economical – low end use cost
- Hard water stable
- Exceptional lubricating properties
- Protects steel surfaces from corrosion
- Excellent part finishes and tool life

OPERATIONS:

- Deep Hole Drilling
- Centerless Grinding
- Tapping · Boring
- CNC Machining
- Turning Centers/Lathes
- Reaming
- Central Systems
- Sawing and Cut Off
- Rollforming Mills

DIRECTIONS FOR USE:

Clean and disinfect sump with PRO-CHEM-CO machine cleaner. Rinse with copious amounts of water to remove cleaner residue. Charge with fresh PRO-CUT 412 using a refractometer to check concentration.

PROPERTIES:

Appearance	-----	Hazy, dark amber liquid
Odor	-----	Bland
Solubility	-----	Emulsifiable in water
pH(5%)	-----	8.9
Specific Gravity	-----	1.005

PACKAGING:

PRO-CUT 412 is available in 5-gallon pails, 55-gallon drums, totes and bulk.