



# PRO-CHEM-CO, INC.

# TECHNICAL DATA

## PRO-CUT 200

### HEAVY-DUTY SOLUBLE OIL COOLANT

#### DESCRIPTION:

PRO-CUT 200 COOLANT has been formulated to **machine** and **grind** both ferrous and non-ferrous metals. State-of-the-art lubrication chemistry enables PRO-CUT –200 to handle **all** machining operations and the toughest of alloys.

#### BENEFITS:

- Versatile – Performs all operations.
- Economical – Low end use cost.
- Stable – Performs well in hard or soft water.
- Clean – Unique wetting and emulsion properties produce a clean running, operator-friendly coolant.
- Excellent sumplife and microbe protection.
- Outstanding corrosion protection on cast and steel alloys.
- Outstanding tool life and part finishes.

#### OPERATIONS:

- |                             |                         |                          |
|-----------------------------|-------------------------|--------------------------|
| • Milling/Drilling          | • Boring                | • CNC Machining          |
| • Tapping/Reaming           | • Broaching             | • Threading              |
| • Sawing/Cut-off            | • Hobbing               | • Screw Machining        |
| • Surface & Finish Grinding | • Knurling              | • Turning Centers/Lathes |
| • Roll Forming              | • Honing                | • Piercing/Punching      |
| • Gear Cutting              | • Shaving/Straightening | • Light-duty Stamping    |

**DIRECTIONS FOR USE:**

PRO-CUT 200 is always added to water and is emulsifiable and stable at all proportions. The sump should be cleaned with PRO-CHEM-CO machine cleaner and rinsed **before** adding coolant. The proper mixing ratio depends on your operation, metal (s) coolant system and application. The concentration chart below offers a good starting point.

<b>Recommended Starting Dilutions</b>				
<b>OPERATIONS</b>	<b>CARBON STEELS &amp; CAST IRONS</b>	<b>TOOL STEELS</b>	<b>ALUMINUM ALLOYS</b>	<b>HIGH ALLOY AND STAINLESS STEELS</b>
Grinding	3%-5% (1:33-1:20)	3%-5% (1:33-1:20)	3%-4% (1:33-1:25)	4%-5% (1:25-1:20)
CNC Machining	5%-6% (1:20-1:17)	5%-7% (1:20-1:14)	5%-7% (1:20-1:14)	5%-8% (1:20-1:14)
Milling/Drilling Turning Centers Sawing	4%-5% (1:25-1:20)	5%-7% (1:25-1:14)	4%-7% (1:25-1:14)	5%-7% (1:20-1:14)
Tapping/Reaming Boring/Broaching Screw Machining	6%-8% (1:17-1:12)	6%-8% (1:17-1:12)	5%-8% (1:20-1:12)	7%-10% (1:14-1:10)

**Note:**

We always recommend the use of a refractometer and good coolant management practices.

**PROPERTIES:**

Appearance ----- Amber Liquid  
Odor ----- Mild  
Solubility ----- Emulsifiable at All Proportions  
pH(5%) ----- 8.9  
Specific Gravity ----- 0.975

**PACKAGING:**

PRO-CUT 200 is available in 5-gallon pails, 55-gallon drums, totes and bulk.