



## Commcool™ 6600

Non-Chlorinated Micro-Emulsion Metalworking Fluid



### WHAT IT DOES:

**Commcool™ 6600** is a high performance, chlorine-free micro-emulsion for machining and grinding of ferrous and non-ferrous metals. **Commcool™ 6600** is formulated with the most advanced bio-resistant additive technology to provide the highest level of performance in controlling bacteria and fungus and eliminating odors. **Commcool™ 6600** extends sump life, reduces waste disposal costs, and offers exceptional tool life to reduce tooling costs.

**Commcool™ 6600** offers a safer and friendlier alternative to semi-synthetics and straight synthetics. It is operator friendly. It fulfills the warranty requirements of tool manufacturers that require the coolant concentrate to contain at least 40% oil for performance and machine maintenance benefits.

### WHERE TO USE IT:

**Commcool™ 6600** is recommended for use on a wide range of metals and operations including: stainless steel, cast aluminum alloys, ferrous metals and cast iron.

### PERFORMANCE BENEFITS:

**Commcool™ 6600** has been specifically formulated to deliver the following performance benefits:

- Durable, long-lasting fluid makes it ideal for both central systems and individual sumps.
- Not a semi-synthetic. Non-sticky – protects against fouling valves and switches which reduces downtime and maintenance costs.
- Excellent rust and corrosion protection for inner workings of machine tool.
- Extreme pressure lubrication extends tool life and provides good finish.
- Rejects all tramp oil for easy skimming.



2080 FERRISS ROAD NORTH, HARROW, ONTARIO, CANADA N0R 1G0

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## TECHNICALLY SPEAKING:

| Property                     | Commcool™ 6600                         |
|------------------------------|--|
| Appearance                   | Translucent blue liquid                |
| pH @ 5%                      | 8.4                                    |
| Refractive Index (RI) Factor | Multiply RI by 1.0 for concentration % |
| Sulphur                      | None                                   |
| Density, lbs./US Gallon      | 8.34                                   |
| Specific Gravity             | 1.00                                   |

These are typical figures and do not constitute a specification.

|                  | Recommended Concentration | Refractometer Reading |
|------------------|---------------------------|-----------------------|
| Grinding         | 4 – 6%                    | 4.0 – 6.0             |
| Machining        | 6 – 8%                    | 6.0 – 8.0             |
| Severe Machining | 8 – 12%                   | 8.0 – 12.0            |

### Handling & Safety Information

For information on the safe handling and use of this product, refer to the Material Safety Data Sheet obtainable from Commonwealth Oil Corporation.

#### Proper Mixing and Care of Coolants

- ◆ Always add concentrate to water with a small amount of agitation. Always pre-mix coolant before adding it to the machine.
- ◆ For best results, a proportioner should be used.
- ◆ Since water evaporates from the coolant, the concentration will increase over time. To maintain the recommended concentration, makeup coolant should be premixed at half the % concentration as the original fill.
- ◆ Protect product from freezing
- ◆ If product has frozen, allow it to thaw naturally and completely to room temperature. The product should be checked for consistency. If necessary, product can be re-mixed with slight agitation
- ◆ Store coolant containers indoors. If coolant drums must be stored outdoors, place them on their sides to minimize the potential for water to enter drums
- ◆ Never expose coolants to temperature extremes
- ◆ Do not add any other compound to this or any other coolant unless recommended by the manufacturer.



## Available in Pails, Drums and One-Way Bulk Containers

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