

## Orion 1065G

Heavy-Duty Synthetic Cutting and Grinding Fluid

### Description

**Orion 1065** is our premier synthetic cutting and grinding fluid for ferrous alloys. The unique proprietary lubricants in **Orion 1065** were designed for high speeds and feed rates and provides extremely high lubricity in a variety of ferrous machining operations. This oil-rejecting fluid outperforms conventional coolants in difficult operations such as gear hobbing and gun drilling. **Orion 1065** provides excellent bimetallic corrosion protection to keep parts and machine tools free from in-process rust. In hard or soft water, **Orion 1065** forms a stable solution that will not foam. **Orion 1065** is a clean fluid that runs with trouble-free dependability.

### Performance Benefits

- Increased lubrication verses other synthetic fluids
- Rejects tramp oils for easy skimming
- Biostable formula extends fluid life
- Low foaming in all water conditions
- Excellent lubrication allowing for moderate machining
- Excellent corrosion protection protects parts, machines and tools
- Settles chips quickly for a clean work environment

### Recommended Applications & Dilutions

Recommended for machining and grinding ferrous metals. Consult with your account representative for questions regarding compatibility

Grinding      4% to 5%  
Machining    5% to 8%

### Characteristics

Properties	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Clear, green liquid
Appearance of Dilution	-	Visual	Clear green
pH of 5% dilution	-	-	9.0 to 9.7
Density @ 15°C	lbs/gal	-	8.6
Chlorine		-	No
Nitrites		-	No
Phenols		-	No

## Additional Information Concentration Control

Refractive Index Multiplier: 2.3

Refractometer Reading	% Concentration
2	4.6
3	6.9
4	9.2
5	11.5

