



# AMCOL Corporation

## Product Bulletin for 2050 EXP CHARCOOL

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### DESCRIPTION

## Semi-Synthetic Coolant, Lubricant, & Rust Preventative

**2050 EXP CHARCOOL** is a semi-synthetic oil-emulsion-type coolant/lubricant concentrate used primarily in cold roll forming and fabricating of galvanized metals. It has also found use as a short term storage coating on galvanized steel and related metals. This product is also compatible with most other metals (ferrous and non-ferrous).

### ADVANTAGES

- Helps Fight Water Induced Galvanic Reactions
- Resistant to Washing from Humidity
- Superior Lubrication and Cooling
- Waste Treatable by Acid-Alum Split
- Non-tacky Residual Film
- Pleasant Odor Characteristics

### METHOD OF APPLICATION AND CLEANING

**2050 EXP CHARCOOL** is typically flood, drip or spray applied directly onto the tooling or the metal. As a rust inhibitor or lubricant, this product is used as received and as a coolant it is extended with up to 30 parts water to 1 part concentrate. When diluting with water, be sure to add the concentrate into the water and not the water into the oil.

**2050 EXP CHARCOOL** can be easily removed using a warm alkaline cleaning solution.



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### Typical Refractometer Correlation Chart

Using 10440 Industrial Fluid Tester

<u>Dilution</u>	<u>2050 EXP Reading</u>
40:1	2.75
30:1	3.25
20:1	4.50
10:1	8.50
5:1	16.00

### Typical Physical and Chemical Properties

**Physical State:** Liquid at 25 deg C

**Odor and Appearance:** Green liquid with a mild petroleum odor

**Solubility (in water):** Emulsifiable

**Specific Gravity:** 0.85-0.95

**pH:** Not applicable

**Viscosity:** 85-105 centistokes at 25 deg C