

# *Semi-Synthetic Metalworking Fluid* **Unicool 4353**



**Industry proven  
High performance  
Semi-Synthetic  
Metalworking Fluid**

Unicool 4353 is a semi-synthetic machining and grinding coolant with superior cooling and wetting properties. This product has excellent lubricity and extreme pressure (EP) additives, which allows for use on cast iron, steel and aluminum. Unicool 4353 is formulated to be low foaming and have excellent bio stability.

## **Features**

- ♦ For Ferrous & Non-ferrous Metals
- ♦ Low Foaming
- ♦ Unaffected by hard water
- ♦ Superior corrosion inhibitor
- ♦ Excellent Heat Reduction Properties
- ♦ Good Fines Settling Characteristics



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**Concentration Control Table**

%	Refractometer Brix Reading
10	4.9
9	4.4
8	3.9
7	3.4
6	2.9
5	2.4
4	1.9
3	1.5
2	1.0
1	.05
Refractometer Multiplication Factor	2.0

Form	Liquid
Color	Clear Pale Yellow
Odor	Mild
Specific Gravity	1.00
Density	8.34 lb/gal
Soluble in Water	Miscible
pH of Concentrate	9.4
Freeze/Thaw Stability	Stable; Mix after freezing
Shelf Life	1year



**Usage Instructions:** Before adding to the machine sump, premix the coolant by adding concentrated coolant to water in desired proportions and agitate until uniform. If desired concentration is unknown, begin with a concentration of 6% and perform trials until ideal concentration is determined. When adding make-up, avoid adding straight water or concentrated coolant to the sump. Add premix at a concentration approximately 1/4th the desired running concentration. Example: If running concentration is 6%, add make-up at a concentration of 1.5%

**Maintenance:** Regular maintenance is required in order to ensure optimal performance of Unicool ZP 23 Concentration should be monitored regularly with a refractometer and maintained between 5% and 10%. Tramp oils should be removed from coolant frequently to reduce likelihood of biological growth. Prevent contamination with cleaners or solvents.



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