



# SHELL METALINA™ COOLANT Y 850

## Synthetic cemented carbide grinding fluid

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### Product Description

Shell Metalina™ Coolant Y 850 is designed for use in grinding of cemented carbide materials. It is inherently resistant to leaching of cobalt from hard metals, thereby reducing the risk of skin or respiratory irritation experienced by some metal workers when exposed to dissolved cobalt.

Shell Metalina™ Coolant Y 850 is a fully synthetic fluid that provides extended wheel life and does not leave gummy residues. It contains no mineral oil leaving surfaces clean. Shell Metalina™ Coolant Y 850 contains lubricity components to provide high surface finishes when needed.

**Most grinding operations require the use of Shell Metalina™ Coolant Y 850 at concentrations of 3-5% by volume in water. Most machining operations will utilize Shell Metalina™ Coolant Y 850 at a concentration of 4-10% by volume. The severity of the operation will dictate the optimum concentration to use.**

### Applications

- grinding operations involving cemented carbide materials
- mild machining applications

### Features/Benefits

- excellent lubricity, helping extend wheel life
- cemented carbide compatible
- resistant to leaching of cobalt
- minimizes formation of gummy residues
- excellent rust protection
- bioresistant, resulting in long sump life

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### Typical Properties of Shell Metalina™ Coolant Y 850

	Test Method	
Product Code		
55 gallon drum		5064199
5 gallon pail		5064668
Odor		Mild
PH @ 5%		9.6
Rust Free Point		4%
Residual Film		Non-tacky
Density, lbs/gal		8.50

## Concentration

The concentration of **Shell Metalina™ Coolant Y 850** can be determined by using a refractometer.

Reading	% Concentration	Water:Product
0.3	1	99:1
0.6	2	49:1
1.0	3	32:1
1.3	4	24:1
1.6	5	19:1
1.9	6	16:1
2.3	7	13:1
2.6	8	12:1
2.9	9	10:1
3.2	10	9:1

## Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.