



SHELL METALINA™ COOLANT 800

Synthetic grinding fluid

Product Description

Shell Metalina™ Coolant 800 is a high quality synthetic coolant. This material was especially formulated to fill the need for an excellent transparent grinding coolant with outstanding rust protection. **Shell Metalina™ Coolant 800** was designed to overcome the many disadvantages often associated with synthetic coolants and soluble oils such as foaming, rusting, gummy residues, dermatitis, rancidity, etc.

Shell Metalina™ Coolant 800 is for use on many types of surface grinders (Blanchard, Mattison, etc.), both rotary and reciprocating table types. It may also be used on light duty machining and OD grinding where no lubricity is needed. It can be used to grind all ferrous metals. It is effective in carbide grinding, offering oil free technology for excellent cleanliness.

Shell Metalina™ Coolant 800 is an excellent rust preventive for short term rust protection.

Recommended concentration ratios of **Shell Metalina™ Coolant 800** are: Grinding – 3% to 4%.

Applications

- surface grinding of ferrous metals
- light duty machining where no lubricity is needed
- grinding of carbide materials

Features and Benefits

- excellent cooling properties helping to maximize tool life
- formulated to provide rust protection
- resistant to bacteria helping to maintain good operator acceptance
- rapid settling of fines helping to keep good surface finish in grinding applications
- no nitrites or phenols

Typical Properties of Shell Metalina™ Coolant 800

	Test Method	
Product Code 55 gallon drum 5 gallon pail		5064204 5064675
Appearance	Visual	Light brown, transparent liquid
Flash Point, °F	D 92	N/A
Specific Gravity at 60°F		1.08
Chlorine		None
Active Sulfur		None

Concentration by Refractometer

The concentration of **Shell Metalina™ 800** 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 <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/>.