

WATER MISCIBLE

COOLCUT™ 200 BF

Boron-free water miscible
cutting lubricant

SUITABLE FOR GRINDING,
DRILLING AND MILLING
PROCESSES



WALTER
Surface Technologies

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COOLCUT™ 200 BF is a water miscible coolant for metal cutting processes on individual machine tools as well as on centralized systems. Superior washing action ensures safe chip removal, perfect cooling, and a clean working area and machine tools. This coolant is especially suitable for grinding processes as well as all medium-cutting operations like drilling and milling. It is universally applicable for steels, yellow metals and aluminum.

Features

- ▷ Semisynthetic
- ▷ Very stable emulsion
- ▷ Boron-, Bactericide-, and Monoethanolamine (MEA)-free

Benefits

- ▷ Very low foaming
- ▷ Very finely dispersed emulsion
- ▷ Good grinding performance
- ▷ Long coolant life
- ▷ Perfect price-to-performance ratio

Processes									
Name	Turning	Milling	Drilling	Deep drilling	Threading tapping	Broaching	Surface and cylindrical grinding	Centerless grinding	Profile grinding
COOLCUT™ 200 BF	●	●	●		●		●	●	●

● Preferred ● Qualified

Materials								
Name	Steels	Cast iron	Stainless steel	Aluminum	Yellow metals	Titanium	Carbide	Glass ceramics
COOLCUT™ 200 BF	●	●	●	●	●			

Technical Data

Density (20°C) = 1,00 g/cm³
 Kinematic viscosity (20°C) = 75 mm²/s
 Corr. protection GG25 = 5% no corrosion
 pH (5%) = 9,4

Mixing recommendation

When mixing manually, always pour the concentrate into drinking quality water while stirring.

Recommended concentration

Minimum: 4%
 Centerless grinding: 4 - 5%
 Cutting: 5 - 15%

Concentration control

By refractometer: measurement °Brix x F_{refr} = Vol-%
 F_{refr} = 1,6

Tech Tip:

Use the COOLCUT™ cutting fluids proportioning system (53-L 165) for easy mixing.

Suitable for water hardness [PPM]:					
0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	●

● Preferred ● Qualified

ORDERING INFORMATION

Name	Product Number	Size
COOLCUT™ 200 BF	58-A 297	20 L
COOLCUT™ 200 BF	58-A 298	200 L
COOLCUT™ 200 BF	58-A 299	1000 L



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