



### POWERCUT NF CHLORINE FREE METAL WORKING OILS

**POWERCUT NF** series oils are high performance multipurpose cutting oils. They are chlorine free non-staining type neat cutting oils blended from high VI base oils and contains special additives & fatty material to provide effective machining performance in a wide variety of operations of both ferrous & non –ferrous metals.

**PERFORMANCE STANDARDS:** BIS: 3065 - 1985  
CUTTING OIL, NEAT TYPE 1 GRADE II  
(Except NF-BR)

CHARACTERISTICS	POWERCUT				
	NF-9	NF-20	NF-22	NF-32	NF-BR
Kinematic Viscosity @ 40°C, cSt	20-30	20-30	20-30	20-30	45-50
Flash point, COC, °C, min.	160	160	180	180	170
Pour point, °C, max	0	0	0	0	0
Saponification Number mg KOH/gm, min	9.5	20	22	30	-

#### APPLICATION:

- Recommended for machining ferrous as well as non-ferrous metals and for repetitive machining operations of less severe nature on automats.
- Suitable for free machining on mild steel, which involve high spindle speeds and short cycle times, particularly on screw automats, capstan or turret lathes.
- **Powercut NF-BR** is recommended for flute grinding of drills, reamers and various types of form grinding tools, which involve severe metal grinding processes.
- **Power Cut NF-BR** is suitable for gear cutting, gear hobbing and high-speed metal working operations.

#### PERFORMANCE BENEFITS:

- Better surface finish
- Longer cutting tool life
- Higher heat dissipation
- Operator & environment friendly

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