



MATRIX PETROCHEM PRIVATE LIMITED

(AN ISO - 9001 :2015 CERTIFIED COMPANY)

CIN - U23300GJ2020PTC115379



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PRODUCT DATA SHEET

NMX BLAZCUT SL SERIES- SL-100, SL-150 (WATER SOLUBLE CUTTING OIL)

DESCRIPTION & APPLICATION:

NMX BLAZCUT SL Series are Premium-quality, water-soluble cutting oils specifically formulated from refined mineral oil, emulsifiers, and advanced additives to create an exceptionally stable milky emulsion, even in extremely hard water conditions (up to 400 ppm). This stable emulsion promotes excellent tool life and surface finish across all metal-cutting operations where cooling is prioritized over lubrication. With superior anti-rust and anti-foam properties, these oils protect machines, workpieces, and tools from corrosion, while remaining chemically stable to prevent unpleasant odors, discoloration, or staining. Designed for both efficiency and user comfort, they offer a cost-effective solution for high-performance cutting needs.

Recommended for cutting, drilling, shaping, grinding, and other metal removal operations of ferrous and non ferrous materials where high quality of coolant is required. **Not recommended for the machining of Magnesium due to potential fire hazards.**

Performance Level

IS 1115-1986 specifications.

SPECIFICATION:

PROPERTIES	TYPICAL VALUES	
TYPE	SL-100	SL-150
Appearance	Clear & bright	
Kinematic Viscosity, cSL @ 40°C	20	20
Flash Point, COC, °C min	120	150
Cast iron corrosion	Passes	Passes
pH 5% emulsion in D/W	8-9	8-9
Emulsion stability and frothing	Passes	Passes
Emulsion Stability (for 24 hrs.) 5% in tap water 5% in 400ppm water hrs.)	Stable-Stable	Stable-Stable

*The specifications are subject to variations/ development / customization.

PACKING: 26L, 50L, 55L, 210L

*Due to continual product research and development, the information contained herein is subject to change without notice.