

TECHNICAL DATA SHEET (TDS)

Lubrall Nanokool NSP 52 (Next-Generation Multimetal Metal Working Fluid)

PRODUCT DESCRIPTION

Lubrall Nanokool NSP 52 is a new-generation, high-performance **multimetal semisynthetic metalworking fluid** designed for machining both **ferrous and non-ferrous alloys**.

The formulation is completely **sodium-free, sulfonate-free, petroleum-free, and triazine-free**, making it highly compatible with modern environmental, operator-safety, and equipment-protection requirements.

Lubrall Nanokool NSP 52 provides exceptional cooling, wetting, tool life extension, and surface finish quality. Its ultra-clean, low-residue chemistry enhances machine cleanliness and minimizes foaming, even in high-pressure systems.

FEATURES & BENEFITS

- Excellent cooling and wetting performance
- Suitable for **ferrous & non-ferrous metals** (including aluminium, copper alloys, stainless steels, cast iron)
- High resistance to microbial growth without triazine
- Low foam—suitable for high-speed machining
- Superior tool life and improved surface finish
- Keeps machines & work areas clean
- No staining on aluminium or yellow metals

APPLICATIONS

Lubrall Nanokool NSP 52 is recommended for:

- CNC turning & milling
- Drilling & tapping
- Grinding operations
- High-speed machining
- Machining of:
 - Mild steel
 - Cast iron
 - Stainless steel
 - Alloy steels
 - Aluminium & its alloys
 - Copper and brass alloys (non-staining)

Suitable for centralized coolant systems and individual sumps.



AUTOMOTIVE | INDUSTRIAL | SPECIALITY LUBRICANTS

SPECIFICATION:

Property	Value
Appearance	Bright and Clear
Triazine	Nil
Density @ 25°C	1.01
pH (5% solution)	9.5
Refractive Index	1.4
Foam Test	Pass
Cast Iron Test	Pass
Emulsion Stability in 5% ,50 ppm	Stable
Emulsion Stability in 5 %, 400 ppm	Stable

Packing: - 210 Liter

"FOR ANY COMPLAINTS CALL on: +91 9763686372 WITH DETAILS OF BATCH NO."

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