

## PRODUCT DATA SHEET (PDS)

### LUBRALL NANOKOOL NSP-22

#### PRODUCT DESCRIPTION

Lubrall Nanokool NSP-22 is a high-performance, nano-enhanced semi-synthetic metalworking coolant engineered for precision machining and grinding. Developed with advanced nano-cooling agents, extreme-pressure additives, corrosion inhibitors, and long-life biocides, it provides superior cooling, tool life, cleanliness, and sump stability.

#### FEATURES & BENEFITS

- Nano-cooling technology for enhanced heat dissipation
- Free from sodium, sulfonates, triazine, nitrites, phosphates, sulphates, and free chlorine
- Excellent corrosion protection for machines and workpieces
- Low-foam emulsion suitable for high-speed CNC operations
- High biostability ensuring long sump life
- Quick tramp-oil separation reduces maintenance
- Improved surface finish and reduced tool wear

#### APPLICATIONS

Suitable for turning, milling, drilling, tapping, and grinding. Recommended for ferrous metals, steel alloys, cast iron, and selected non-ferrous materials.

#### TYPICAL PROPERTIES

Property	Value
Appearance	Bright and Clear
Mineral Oil	Present
Triazine	Nil
Density @ 25°C	1.006
pH (5% solution)	9.3
Refractive Index	1.3
Foam Test	Pass
Cast Iron Test	Pass
Emulsion Stability (5%, 50 ppm)	Stable
Emulsion Stability (5%, 400 ppm)	Stable

Packing: - 210 Liter

#### DIRECTIONS FOR USE

Recommended Dilutions:

- Grinding: 1:30 to 1:50
- General machining: 1:20 to 1:30



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- Heavy-duty machining: 1:10 to 1:20

### **BEST PRACTICES:**

- Always add concentrate to water, never the opposite
- Use low-hardness water (<100 ppm, chlorides <30 ppm)
- Do not add concentrate directly to the sump—prepare premix
- Clean system thoroughly before initial charging

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

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