

Technical Data Sheet

Base Oil SN-500

Flexi-Containers / ISO Tanks / Bulk Vessels

Description

SN 500 is a Group I base oil classified as a light-grade lubricant base stock, positioned at the higher end of the viscosity range within this group. It is widely utilized as a base oil in lubricant formulations across multiple industries.

SN 500 is derived from vacuum-distilled crude oil and is further treated through solvent refining, dewaxing, and hydrotreatment to purify the oil and enhance its performance characteristics. It features a kinematic viscosity of minimum 10.25 cSt at 100°C and minimum 98 cSt at 40°C, making it well-suited for applications requiring a heavier base oil with good lubricating characteristics.

Applications

Base Oil **SN 500** is used in the formulation of a wide variety of finished products, including:

- General-purpose oils
- Mould release oils
- Transmission fluids
- Gear oils
- Metalworking fluids
- Lubricant additives
- Hydraulic oils
- Transformer oils
- Coatings
- Pharmaceuticals
- Paints
- Engine oils

Specifications

PROPERTIES	UNIT	METHOD	SPECIFICATIONS
Color	–	ASTM D 1500	2.5 MAX
Density at 15°C	g/ml	ASTM D 1298	REPORT
Viscosity at 100°C	cst	ASTM D 445	10.25 MIN
Viscosity at 40°C	cst	ASTM D 445	98 MIN
Viscosity Index	–	ASTM D 2270	95 MIN
Flashpoint	°C	ASTM D 92	240 MIN
Pourpoint	°C	ASTM D 97	<-6
sulfur	wt%	ASTM D 4294	1.3 MAX

Safety and Handling Guidelines

These lubricants are formulated with highly refined mineral base oils and specific additives. Under normal use, they do not pose significant toxic hazards. However, all lubricants should be handled with care to ensure safety and environmental protection.

Precautions

- Avoid prolonged or repeated contact with skin.
- Prevent splashing and exposure to combustible materials.
- Always store in a covered area, away from sources of pollution.
- Dispose of used oil responsibly—never pour it into drains, watercourses, or onto the ground.