

Technical Data Sheet

Base Oil SN-100

Flexi-Containers / ISO Tanks / Bulk Vessels

Description

SN 100 is a light Group I base oil, with a viscosity of approximately 3.8-4.6 cSt at 100°C and minimum 20.5 at 40°C, typically used in the production of lubricants, oil-based products, plasticizers, and various automotive chemical products. It also serves as an anti-caking agent for artificial fertilizer applications and as an emulsifier in water-asphalt dispersions used in the construction industry.

SN 100 is produced by refining vacuum distillates sourced from carefully selected paraffinic crude oil fractions. With properties positioned at the lower end of the lubricant stock range, it is commonly utilized in the manufacture of lubricants and lubricant additives.

Applications

Base Oil SN 100 serves as a versatile base stock for the formulation of various industrial lubricants, including:

- General purpose oils
- Mould release oils
- Transmission fluids
- Gear oils
- Metalworking fluids
- Lubricant additives
- Hydraulic oils
- Transformer oils
- Automotive and industrial lubricants
- Oil-based chemical formulations
- Plasticizer production
- Automotive chemical products
- Anti-caking agents in fertilizer
- Water-asphalt emulsions for construction

Specifications

PROPERTIES	UNIT	METHOD	SPECIFICATIONS
Color	–	ASTM D 1500	1.5 MAX
Density at 15°C	g/ml	ASTM D 1298	0.865-0.888
Viscosity at 100°C	cst	ASTM D 445	3.8-4.6
Viscosity at 40°C	cst	ASTM D 445	20.5 MIN
Viscosity Index	–	ASTM D 2270	95 MIN
Flashpoint	°C	ASTM D 92	185-200
Pourpoint	°C	ASTM D 97	<-9
sulfur	wt%	ASTM D 4294	1 MAX

Safety and Handling Guidelines

Lubricants formulated with SN 100 base oil contain highly refined mineral oils combined with performance-enhancing additives. While they present no significant toxic hazard under normal use, proper handling and storage are essential for safety and environmental protection.

Precautions

- Avoid direct skin contact; wear protective gloves if necessary
- Prevent splashing during application or transfer
- Avoid exposure to open flames and combustible environments.
- Store in a clean, dry, well-ventilated area, protected from environmental contaminants
- Dispose of used oil in accordance with local regulations—do not pour into drains, water bodies, or onto soil