

Technical Data Sheet

LubSol™ 44 NP

GENERAL DESCRIPTION

LubSol™ 44NP (also known as n-paraffin) is a high purity linear saturated paraffin mixture of various molecular weights in the C14-C17 carbon range. It is a clear, water white, low odor, low viscosity liquid. The unique process used to manufacture this solvent produces low levels of normal paraffin which in consequence have higher solvent strengths and lower freeze points than competitive low-aromatic solvents with equivalent boiling ranges.

APPLICATION

The unique properties in **LubSol™ 44NP** make it excellent for various applications, such as, lubricating oils, household/industrial cleaning, pesticide formulations as well as a fantastic chemical process solvent. Typical examples and applications of these are:

- Chlorination to high level of chlorine content for use as flame-retardants, plasticizers and EP additives.
- Oxidation to alcohols.
- Nitration to nitro-alkanes and amines.
- Sulfur-oxidation or sulfur-chlorination for surfactant or plasticizer manufacture.
- Raw material for microbiological oxidation or fermentation process.

LUBSOL™ 44 NP

PROPERTIES	ASTM METHOD	MIN.	MAX.	TYPICAL VALUES
SPECIFIC GRAVITY @ 60°F	D287	--	0.835	0.768
TOTAL N-PARAFFIN WT%	GC	96.5	--	>97
C13	GC	--	1.0	<1
C14	GC	50	80	--
C15	GC	20	28	--
C16	GC	3	7	--
C17+	GC	--	3.0	<3
AVERAGE MOLECULAR WEIGHT	API	--	--	201
AROMATICS, WT%	UV Analysis	--	0.5	<0.5
BROMINE NUMBER	D1159	--	0.05	<0.05
COLOR, ASTM	D156	--	0.5	<0.5
DENSITY @ 60°F, LB/GAL	D287	--	--	6.4
FLASH POINT (PMCC) °C	D93	--	--	117
MELT POINT, °C	D2386	--	--	7
VISCOSITY, CST @ 40°C/104°F	D445	--	--	2.5
DISTILLATION RANGE, °C - IBP	D86	--	--	247
DISTILLATION RANGE, °C - EP	D86	--	--	277
KAURI BUTANOL VALUE	D1133	--	--	21.3
SULFUR, PPM	Pyro./Flour.	--	2.0	<2.0
ANILINE POINT, °C	D611	--	--	91

Note: Values shown here reflect approximate specification limits and typical values.