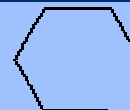


n-HEXANE

PRODUCT IDENTIFICATION

CAS NO	110-54-3
FORMULA	C ₆ H ₁₄
MOL WT.	86.18
H.S. CODE	2901.10
TOXICITY	Oral rat LD50: 28710 mg/kg
SYNONYMS	Normal hexane; Hexyl hydride; skellysolve B; dipropyl; gettysolve-b;
DERIVATION	
CLASSIFICATION	



GENERAL DESCRIPTION

n-HEXANE, a colorless liquid with a slightly disagreeable odor, is the straight-chain alkane with six carbon atoms. It evaporates very easily into the air and dissolves and highly flammable. It is insoluble in water and miscible with alcohol, chloroform, and ether. It is used primarily to produce solvents when it is mixed with similar chemicals. Common names for these solvents are commercial hexane, mixed hexanes, petroleum ether, and petroleum naphtha. The major use n-hexane is to extract vegetable oils from crops due to its narrow distillation range and selective power. Its wide usages are in the rubber industry as a base for rubber cement and in tyre manufacture and in contact adhesives, paints and inks, where fast drying and ability to suspend are required. Application is also found in the manufacture of SBR rubber where hexane is used as a medium in the polymerisation process.

PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	UNITS	TYPICAL	TEST METHOD
Benzene	%v/v	0.03	ASTM D2600
Appearance	-	Water White	VISUAL
Flash Point, TAG	C	<0	ASTM D56
Aniline Cloud Point	C	68.0	ASTM D611
Purity	-	Must Match	ENE 01/99

SALES SPECIFICATION

PROPERTY	UNITS	MIN	MAX	TEST METHOD
Total Aromatics	%v/v		0.2	ASTM D2600
Density @ 20°C	kg/l	0.660	0.666	ASTM D1298
Colour	Saybolt	+25.0		ASTM D156
Distillation Range: I.B.P.	C	61.0	67.0	ASTM D86
D.P.		67.0	73.0	
Sulphur	%m/m		0.001	ASTM D1266
Non Volatile Matter	mg/100ml		0.002	ASTM D1353

TRANSPORTATION

PACKING	In Bulk
HAZARD CLASS	3.1
UN NO.	1208

