PHYSICAL CONSTANTS DATA

Figure 19

164607

SUBSTANCE	STRUCTURAL FORMULA
Methyl iso-Amyl Ketone	O // $CH_3C-CH_2-CH_2-CH-CH_3$ | CH_3
5-Methyl-2-hexanone	
COMPILED BY: C. G. Summers	DATE: 4-15-63

NAME		SOURCE & DATE
Formula	$C_7H_{14}O$	
Molecular Weight	114.18	
Appearance	Colorless Liquid	Union Carbide Chem. C
Boiling Point at 750 mm	145.4°C	"
Boiling Point at mm	66°c	"
Boiling Point at mm	33°C	"
Boiling Point at mm		
Crystallizing Point		
~~Melting Point~~ Freezing Point	-74.21°C	
Solution Point		
Specific Gravity @ 20/20°C	0.813	Eastman Kodak Co
Specific Gravity @	0.814	U.C.C.
Pounds per Gal. @ 20 °C	6.77	
Coefficient of Expansion		
Refractive Index @ n_D		
Infra Red Spectrum *(Reference)*		
Ultra Violet Spectrum *(Reference)*		
Viscosity @ 20°C	0.76 cps. (Absolute)	U.C.C.
Viscosity @ 40°C	1.01 cps. (Absolute)	U.C.C.
Surface Tension		
Solubility in Water @ 20°C	0.55% by wt.	U.C.C.
Solubility in Organic Solvents		
Solubility in		
Solubility of Water in @ 20°C	1.4% by wt.	U.C.C.
Flash Point °F *(Method)* Tag Open Cup	120°F	
Fire Point °C		
Heat of Combustion		
Heat of Formation		
Thermal Stability (cal./kg/min.)		
Latent Heat of Fusion		
Latent Heat of Vap.		
Specific Heat		
Critical Temperature		
Critical Pressure		
Dissociation Constant		
Purity, % min.	97.5	Eastman Kodak
% min.	98.0	U.C.C.
Other Constants: % Methyl Isobutyl Ketone	2.5% max.	
& Methyl Isoamyl Carbinol		
Toxicity *(Give Reference)*	Toxic	See Toxicity Section

TRADE SECRETS