

<b>TECHNICAL DATA SHEET</b>
-----------------------------

Ref.no: T\_FUS  
Rev.no: 02  
Date: 23-03-2015

## DIALKYLATED BENZENE (DAB)

**PRESENTATION:**

FuSyn-22 is an ISO 22 premium synthetic alkylate with a number of outstanding lubricating properties compared favorably to traditional synthetic base oils, e.g. PAO, AN, and oxygenated fluids such as ester or PAG.

**APPLICATIONS:**

FuSyn – 22 is highly desirable and suitable for many automotive and industrial applications.

**TYPICAL PROPERTY**

PROPERTY		UNIT	TYPICAL	TEST METHOD
Appearance			Clear light yellow liquid	
Color			<0.5	ASTM D 1500*
Viscosity	@40°C	cSt	21.06	ASTM D 445*
	@100°C	cSt	4.4	ASTM D 445*
	Index		120	ASTM D 2270*
Specific gravity@15.6°C		g/ml	0.86	ASTM D 1298*
Pour point		°C	-56	ASTM D 5950*
Flash point		°C	223	ASTM D 92*
Aniline point		°C	81	ASTM D 611*
Total Acid Number		Mg KOH/g	<0.3	ASTM D 664*
Water Content		ppm	<50	ASTM D 1533*
Refractive Index@20°C			1.4872	ASTM D 1218*
Molecular weight		g/mole	410	ASTM D 2503*
CCS Viscosity@-35°C		cp	3.178	ASTM D 5293*
Brookfield viscosity	@-26°C	cp	1.200	ASTM D 2983*
	@-40°C		8.400	

Disclaimer of Liability

The information in this bulletin is believed to be accurate but all recommendations are made without warranty, since the conditions of use are beyond Equilex BV's control. Equilex BV disclaims any liability in connection with the use of the information which is illustrative only and does not warrant against infringement by reason of the use of any of its products in combination with other material or any process.

<b>TECHNICAL DATA SHEET</b>
-----------------------------

PROPERTY	UNIT	TYPICAL	TEST METHOD	
Auto ignition Temperature	°C	368	ASTM E 659*	
Specific Heat@100°C	Cal/g°C	0.541	ASTM E 1269*	
Vapor Pressure@260°C	mmHg	38.8	ASTM D 2879*	
Dielectric Strength	KV	46	ASTM D 877*	
Water Separability@54.4°C, 40-40-0	min	<5	ASTM D 1401*	
4-Ball wear, Scar Diameter	mm	0.77	ASTM D 4172*	
Hydrolytic stability, TAN change	Mg KOH/g	+0.01	ASTM D 2619*	
RPVOT	(NEAT)	min	18	ASTM D 2272*
	With		>600	
Copper corrosion @150°C		2E	ASTM D 130*	

\*or equivalent method

Disclaimer of Liability

The information in this bulletin is believed to be accurate but all recommendations are made without warranty, since the conditions of use are beyond Equilex BV's control. Equilex BV disclaims any liability in connection with the use of the information which is illustrative only and does not warrant against infringement by reason of the use of any of its products in combination with other material or any process.