



Asia Petrochemicals LLC

Heavy Alkyl Benzene (HAB)

PRODUCT DESCRIPTION

Heavy alkyl benzene (HAB) is a byproduct in the process of linear alkyl benzene (LAB) production. It is used as heat transfer oil and lubricating greases. The potential of the usage of HAB in the formulation of gasoline and diesel engine oils as well as hydraulic fluid is indicated. With the aim of passing 5W30, 5W40, 10W40, and 15W40 standards, different engine oils have been formulated. The formulations contain various amounts of HAB as minor component, and miscellaneous quantities of solvent neutral 100 (SN-100), SN-150, and SN-650 as major component. The measurement of typical properties of obtained oils indicates that some of them do have the intended criteria. Test field of the recent oils designate that they have good performance. In the next step, different blends of HAB as major component and polyisobutene (PIB) as minor component have successfully been employed in the formulation of several ISO grade hydraulic fluids. The achieved materials do have suitable air release and demulsibility.

APPLICATIONS:

- Wide variety of applications including thermal fluids
- Refrigerating oils
- Textile auxiliaries
- Lube Industries
- Insulating Oil
- Anti corrosion additives
- Octane number improvement additive
- Cutting Oil
- Thermal Fluid
- Sulphonated Derivatives as Fuel Oil Additive
- Electrical oils, plasticizers, greases
- Used to produce lube oil additives
- Industry grade chemical lubricant
- Motor vehicle engine oil ingredients.

Packing: Bulk, ISO Tanks & Drums

PROPERTY	TEST METHOD	SPECIFICATION	TYPICAL VALUE
Density at 20°C ,gr/cm3	ASTM D-4052-96	Less Than 0.895	0.8726
Viscosity at 37.8 °C , cSt	ASTM D-445-01	15 – 50	23.1
ASTM Color	ASTM D-1500-91	Less Than 2	L –1.0
Doctor Test	ASTM D-4952-97	Negative	Negative
Moisture , ppm	UOP 481-91	Less Than 200	10
Flash Point , °C	ASTM D-93-99	170 min	200

For further information please visit <http://www.asia-petrochem.com> or send an enquiry to info@asia-petrochem.com

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