

HF-1000 Solvent

Technical Data Sheet



sasol

Description

Sasol Chemicals HF-1000 Solvent is a synthetic blend of paraffin, olefin and oxygenates. It is a pale yellow, oily liquid with a medium flash point and mild odor. HF-1000 Solvent is an alternative to diesel-based fluids and highly branched isoparaffinic mineral oils which has low acute aquatic toxicity, rapid biodegradation and the absence of polynuclear aromatics.

Applications

Sasol Chemicals HF-1000 Solvent may be used in a wide array of applications including oilfield drilling and stimulation fluids, frother blends and flotation aids in mining, pesticide formulations, lubricating oils, chemical process solvents, degreasers and metal rolling oils.

Properties

Typical physical properties are listed in the table to the right. Actual properties will vary from lot to lot.

Contact information

For technical information:
Product Steward
2201 Old Spanish Trail
Westlake, Louisiana 70669
Telephone: +1(337)494-4133
TDS.ProductSteward@us.sasol.com

For sales, pricing or samples,
contact a sales representative at:
Telephone: +1(281)588-3870
alkyates@us.sasol.com

Regulatory Compliance

If this material is used in a consumer product or in certain other specific applications, some exemptions may apply. Please contact a sales representative for more information on particular FDA regulations or for solvent status as an LVP-VOC for consumer products.

Typical properties	Method	HF-1000 Solvent
Distillation Range, °C (°F) IBP 95%	ASTM D-86	208 - 234 (406 - 454) 304 - 346 (580 - 655)
Flash Point, (PM CC) °C (°F)	ASTM D-93	≥ 93.3 (200)
Pour Point, °C (°F)	ASTM D-97	< -20 (-4)
Specific Gravity 16°C/60°F	ASTM D-287	0.795 – 0.815
Density, lbs/gal @ 16°C/60°F	ASTM D-287	6.63 – 6.80
Average Molecular Weight	API	210 - 220
Aromatic - BTEX, ppm	EPA 8260B	ND*
PAH- Polyaromatic Hydrocarbon	EPA 1654 "MI Modified"	ND**
Color, APHA		100 max.
Auto Ignition Temperature, °C (°F)	ASTM E-659	248 (478)
Vapor Pressure, torr @ 20°C/68°F	ASTM D-2879	0.3 max.
Viscosity, cSt @ 20°C/68°F @ 40°C/104°F	ASTM D-445	3 – 4 2 – 3
Lubricity (Baroid benchtop meter)		0.111
Aniline Point, °C (°F)	ASTM D-611	66 (151)
Kauri-Butanol Value	ASTM D-1133	18
Bromine Number	ASTM D-1159	0.2 max.
Nitrogen, ppm		1 max.
Sulfur, ppm		1 max.
Water, ppm	Karl-Fischer	50 max.

* - method detection limit 43 ppb **-method detection limit 0.04 mg/g

The preceding data is based on tests and experience, which Sasol Chemicals believes reliable, and is supplied for informational purposes only. Sasol Chemicals expressly disclaims any liability whatsoever for damage or injury which results from the use of the preceding data and nothing contained therein shall constitute a guarantee, warranty, or representation (including freedom from patent liability) by Sasol Chemicals with respect to the data, the product described, or its fitness for use for any specific purpose, even if that purpose is known to Sasol Chemicals. For detailed safety and handling information regarding these products, please refer to the respective Sasol Chemicals Safety Data Sheet. 05/26/2020

Sasol Chemicals North America LLC

12120 Wickchester Lane, Houston, TX 77079-2990
Phone +1 (281)588-3000, info@us.sasol.com
www.sasolnorthamerica.com