

Isopar™ H

Isoparaffin Fluid

Product Description

High purity synthetic isoparaffinic hydrocarbon fluid, suitable for:

- Aerosols
- Cleaning
- Coatings
- Cosmetics / personal care products
- Household products
- Liquid toners
- Metalworking
- Radical polymerization processes

Key Features

1. Essentially odorless, providing comfort for both workers and end-users
2. Narrow boiling ranges for optimal combination of flash point and drying time
3. Extremely low aromatic content/ suitable for many food contact applications
4. High chemical stability for good end-product shelf life
5. Low freeze point
6. Low electrical conductivity
7. Low surface tension for superior wetting and surface spreading
8. Compatible with most packaging materials

General

Availability ¹	▪ Africa & Middle East	▪ Europe
Form(s)	▪ Liquid	
Revision Date	▪ 03/01/2020	

Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Aniline Point	80 °C	80 °C	ASTM D611
Appearance	Bright & Clear	Bright & Clear	EC A-A01
Aromatic Content	≤0.003 wt%	≤0.003 wt%	UV1
Benzene Content	≤1 mg/kg	≤1 mg/kg	GC2
Bromine Index	9 mg/100 g	9 mg/100 g	ASTM D2710 (mod)
Color, Saybolt	+30	+30	ASTM D6045
Density (15°C)	759 kg/m ³	759 kg/m ³	ISO 12185
Evaporation Rate (n-BuAc = 100)	7.1	7.1	ER 1-12
Flash Point	59 °C	59 °C	ASTM D93
Refractive Index (20°C)	1.423	1.423	ASTM D1218
Sulfur Content	≤1 mg/kg	≤1 mg/kg	ASTM D5453
Surface Tension, Wilhelmy Plate (25°C)	23.7 mN/m	23.7 mN/m	CI-TM8
Viscosity (25°C)	1.38 mm ² /s	1.38 mm ² /s	ASTM D7042

Distillation	Typical Value (English)	Typical Value (SI)	Test Based On
Distillation Range			ASTM D86
Initial Boiling Point (IBP)	180 °C	180 °C	
50% Boiling Point	183 °C	183 °C	
Dry Point (DP)	190 °C	190 °C	

Notes

Typical properties: these are not to be construed as specifications.

The values indicated in this document may deviate from the test method requirements by the number of significant figures shown.

Typical values may be calculated based upon measured values of blend components, if applicable.

Values may be determined by one or more ExxonMobil test methods equivalent to industry standard test methods.

Applicable sampling and testing methods are subject to change without notice and are available for review on request.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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