

5-hydroxymethylfurfural (HMF)

Revision Date 2023-02

Applications

Platform molecule	Additives
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General Information

Formula	C ₆ H ₆ O ₃
CAS Number	67-47-0
Relative density	1.243 g/mL at 25 °C (lit.)
Molecular Weight	126.11

Specification

Appearance	Light yellow to yellow solid
Purity (%)	99
Stability	Light sensitive, very hygroscopic
Water (wt. %)	<0.5%
Boiling point (°C)	115 °C/1 mmHg (lit.)
Melting point (°C)	31.5 °C
Flash point (°C)	79.4°C

Shipping Information

DOT Shipping Name	5-hydroxymethylfurfural
DOT Hazard Classification	None-hazardous
Freight Classification	Not subject to IATA DGR

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