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Typical Product Specifications & Properties

RSPO Certified Capric Acid 99%

CAS Number: : 334-48-5

Specifications	Limits
Molecular weight	172.26
EINECS	206-376-4
SMILES	<chem>C(CCCCCC)CCC(=O)O</chem>
InChI	GHVNFZFCNZKVNT-UHFFFAOYSA-N
InChIKey	1S/C10H20O2/c1-2-3-4-5-6-7-8-9-10(11)12/h2-9H2,1H3,(H,11,12)
Storage Temperature	Store below +30°C.
Refractive Index	1.4169
Form	Crystalline Solid
Vapor Pressure	15 mm Hg (160 °C)
Density	0.893 g/mL at 25 °C
Color	White
Boiling Point	268-270 °C



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Specifications	Limits
Flash Point	>230 °F
Melting Point	27-32 °C
Stability	Stable. Incompatible with bases, reducing agents, oxidizing agents.
BRN Number	1754556
Water solubility	0.15 g/L (20 °C)
FEMA	2364 DECANOIC ACID
Merck	14,1758
log P (octanol-water)	4.09
Water solubility	61.8 mg/L
Atmospheric OH Rate Constant	1.12E-11 cm ³ /molecule-sec
Henry's Law Constant	1.34E-06 atm-m ³ /mole
Vapor Pressure	3.66E-04 mm Hg



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Specifications	Limits
Melting Point	31.9 °C
Boiling Point	268.7 °C
pKa Dissociation Constant	4.9



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