

**Undecylenic Acid**  
Technical Data Sheet



**Product Identification**

Undecylenic acid (11-undecenoic acid) is an eleven carbon fatty acid with vinyl unsaturation. It is an odd numbered acid that meets USP requirements as a Category-1 antifungal active. Undecylenic acid is used in industrial fungicides and bactericides and is also used as a chemical intermediate in the synthesis of polyamide plastics and fibers, fragrances and synthetic flooring.

	<u>Property</u>	<u>Value</u>
<b>Physical Properties</b>	Acid Value	297
	Boiling Point @ 2mm, °C	137
	Color, Gardner	1
	Density, lbs./gal, 25°C	7.59
	Fire Point, COC, °F	315
	Flash Point, COC, °F	300
	Form	Clear liquid
	Iodine Value	135
	Molecular Weight	184
	Refractive Index	1.4775
	Saponification Value	180
	Specific Gravity, 25°C/25°C	0.912
	Titer, °C	21.5
	Viscosity, 25°C, Stokes	0.1
Volatile, %	0.1	

**Applications**

- Formulation of industrial bactericide and fungicide compounds
- Chemical Intermediates
- Fragrance compounding
- Source of industrial grade fatty acid

For toxicity or regulatory information please consult the Material Safety Data Sheet.

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