

Capstone™ 42-U



Technical Information

Description

Capstone™ 42-U is a fluorinated olefin that is used as a co-monomer in free radical polymerizations. It is based on four fluorinated carbon molecules and is part of a large family of fluorinated specialty monomers offered by Chemours. For information on other Capstone™ monomers, use the contact information below.

Applications

Capstone™ 42-U is a valuable fluorinated monomer used to impart low surface energy, chemical stability, and increased surface lubricity to finished products. It can be as a co-monomer in free radical initiated polymerizations for both aqueous and nonaqueous systems.

Typical Physical Properties*

CAS Name	3,3,4,4,5,5,6,6,6-nonafluorohexa-1-ene
Formula	$\text{C}_4\text{F}_9\text{-CH}=\text{CH}_2$
Molecular Weight	246
Appearance	Clear, colorless liquid
Odor	Ethereal
Boiling Point, °C (°F)	58 (136)
Specific Gravity at 25 °C (77 °F)	1.4
Thickening Point, °C (°F)	< 25 (<77)
Shelf Life	5 years
Flash Point	Does not flash

* This table gives typical properties based on historical production performance. Chemours does not make any express or implied warranty that this product will continue to have these typical properties.

First Aid, Storage, and Handling

See the Safety Data Sheet (SDS) for specific product information before using this product. Follow all applicable directions. Mix well before using.

Capstone™ Repellents and Surfactants

- Deliver maximum performance
- Regulatory and stewardship information is available upon request
- Are listed on TSCA inventory

Package Sizes

Drum-400 lb (181.6 kg), STL Pail- 50 lb (22.7 kg)

For questions regarding technical data, commercial supply, and sampling:

Chemours Advanced Performance Materials

Technical Inquiries

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Regional Technical Customer Service Center, Americas

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For more information, visit www.chemours.com/capstone

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