

# 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	2 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](http://www.chemours.com/capstone)

**CAUTION:** Do not use or resell Chemours™ materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless agreed to by Seller in a written agreement covering such use. For further information, please contact your Chemours representative. For medical emergencies, spills, or other critical situations, call (866) 595-1473 within the United States. For those outside of the United States, call (302) 773-2000.

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