

# Capstone™ 6-I

Perfluorohexyl Iodide



## Technical Information

### Description

Capstone™ 6-I is a perfluorohexyl iodide useful for oil- and moisture-repellent coatings for paper and other surfaces. It is based on six fluorinated carbon molecules and is part of a large family of fluorinated specialty monomers offered by Chemours.

### Applications

Capstone™ 6-I is a versatile monomer for products requiring low surface energy, chemical stability, and increased surface lubricity. It is an effective intermediate for the synthesis of esters, ethers, phosphates, ethoxylates, urethanes, and siloxanes. In addition to Capstone™ 6-I, Chemours offers related fluorotelomer products that differ slightly in composition and solubility. Below is a partial list of applications for Capstone™ 6-I.

### Typical Physical Properties\*

CAS Name	1,1,1,2,2,3,3,3,4,4,5,5,6,6-tridecafluoro-6-iodo-hexane
CAS Number	355-43-1
Formula	$\text{CF}_3\text{CF}_2\text{CF}_2\text{CF}_2\text{CF}_2\text{CF}_2\text{—I}$
Molecular Weight	446
Appearance	Liquid at room temperature. Ranges in color from colorless to pale Pink
Solubility in Acetone, wt%	>50
Solubility in Isobutyl Alcohol, wt%	10–50
Solubility in Methyl Ethyl Ketone, wt%	10–50
Boiling Point, °C (°F)	116.2 (241.2)
Freezing Point, °C (°F)	–45 (–49)
Specific Gravity	2.0
Flash Point	Does not flash
Shelf Life	2 years

\* 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 (HP)–400 lb (181.6 kg), Drum–325 lb (147.55 kg)

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

### Chemours Advanced Performance Materials

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For more information, visit [www.chemours.com/capstone](http://www.chemours.com/capstone)

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