

CH<sub>3</sub>CH<sub>2</sub>I

CAS#75-03-6

EINECS #200-833-1

Technical Data Sheet

**GHS Product Identifier:** 192.44, Iodoethane, Ethyl Iodide.

**Formula:** CH<sub>3</sub>CH<sub>2</sub>I

**Formula Description:** Clear, colorless to pale amber liquid.

**Recommended Use:** Iodoethane is used as an alkylating agent in solvents and other intermediates for the Epoxy Resin Industry. Iodoethane (Ethyl Iodide) is an excellent ethylating agent <sup>(1)</sup>. It is also used as the hydrogen radical promoter. <sup>(2)</sup>

**General Properties:**

<b>Molecular Weight</b>	<b>155.97</b>	<b>Melting Point (°C)</b>	<b>-108</b>	<b>Appearance (25°C)</b>	<b>Clear</b>
<b>Density</b>	<b>1.950</b>	<b>Boiling Point (°C)</b>	<b>69 - 73</b>		

Chemical Product Specifications

	<b>Iodoethane</b>
<b>Assay</b>	99.0% minimum
<b>Water</b>	0.01% maximum
<b>Residue</b>	0.01% maximum
Material available with or without copper stabilizer	

Standard Packaging

<b>Net Weight</b>	<b>Packaging</b>
70 lbs.	UN3H1 5 gal Jerrican
220.46 lbs.	UN1H1 15 gal HD Black Poly Drum
400 lbs.	UN1H1 30 gal HDPE Drum
551.15 lbs.	UN6HA1 55 gal Steel Composite Drum

SDS with detailed information available upon request.

References:

- 1) **Palladium-Catalyzed Trifluoroethylation of Terminal Alkynes with 1,1,1-Trifluoro-2-iodoethane**, Yi-Si Feng, Chuan-Qi Xie, Wen-Long Qiao, and Hua-Jian Xu, Organic Letters 2013 15 (4), 936-939
- 2) **Iodoethane photolysis: Which C–H bond leads to H-atom formation?** Jeffrey L. Brum, Subhash Deshmukh, and Brent Koplitz, J. Chem. Phys. 93, 7504 (1990)

