



iodoethane - Physical & Chemical Properties [Ethyl iodide]

CASR No.	[75 - 03 - 6]
EC-No.	200 - 833 - 1
HS-No.	2903 30 80
Road / Rail	3 / 31 c
IMDG Code	3.3 / III UN 1993
IATA / DGR	3 / III UN 1993 CAO 310 PAX 309
Poison-class	(CH) 2
Packing-cat	A
Merck-Index	10, 3758
SAX	6, 1619
Mol. Formula	CH ₃ CH ₂ I
Mol. Weight	155.97
Specific Density, 20 °C	1.93 g / cm ³
Refractive Index (20 °C, 589 nm)	1.513
Vapour Pressure, 18 °C	133 hPa
Melting Point	- 108 °C
Boiling Point	71 - 73 °C
Flash Point	53 °C
Solubility in H ₂ O, 20 °C	Slow decomposition
Atmospheric Susceptibility	Light sensitive
Chemical Reaction	Irritant, flammable

Relevant Risk, Safety & Disposal Aspects

Risk	R 10	Flammable
	R 36	Irritating to eyes
	R 37	Irritating to respiratory system.
	R 38	Irritating to skin.
Safety	S 23	Do not breath vapours.
	S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance.
Disposal	D 2	Do not use aluminium / stainless steel container. Dilute with water and treat slowly with dilute alkali solution.

Application, Storage & Packing

Application	Ethylating agent in Organic Synthesis, catalyst etc.
Storage	Store in a air tight container in a cool & dark place away from light.
Packing	In 12.50 Kgs x 2 Nos. Aluminium Bottle = 25 Kgs in thermocol box packed inside Corrugated Carton.



iodoethane - LR

[Stabilized with Silver wire]

Description	Clear colourless heavy liquid
Assay (GC, area %)	min. 99.0 %
Density [20 °C/ 4 °C]	1.910 – 1.940 g / cm ³

Maximum Limits of Impurities

Ethanol (CH ₃ CH ₂ OH)	0.5 %
Free acid (HI)	0.1 %
Water (KF)	0.1 %