



Specialized in chemicals

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Technical Data Sheet

Iodoethane

Chemical Name	Iodoethane
CAS #	75-03-6
EINECS	200-833-1
Formula	C ₂ H ₅ I
Molecular Weight	155.97
Synonyms	Ethyl iodide

Chemical Structure



Appearance Colorless liquid

Physical Properties

Colorless to pale yellow liquid. Long set and become red. The melting point of -108°C, the boiling point of 72°C, relative density 1.9358 (20/4 C), refractive index 1.5133, refractive index 1.5130. Soluble in ethanol, ether, and most organic solvents miscible, slightly soluble in water and decomposition. The heat decomposition of toxic gas (iodide), water and steam can produce toxic corrosive flue gas. Can react violently with oxidizing agent, and can burn when exposed to open flame.

Specification

Items	Specification	Testing Results
Appearance	Colorless liquid	Confirms
Specific Gravity	1.94~1.96	1.954
Water	≤0.03%	0.015%

Distillation Range	71~73oC	71.9oC
Assay	≥99%	99.37%

Applications

Used as a chemical reagent, medical aids (determination of cardiac output). Also used in organic synthesis and as reagents. Treatment of goiter, plant growth stimulant.

Packaging

5KG,10KG,15KG,25KG per plastic drum

Storage

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Moisture sensitive. Sensitive to light. Store in light-resistant containers.

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