



Specialized in chemicals

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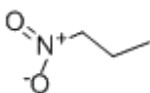
Technical Data Sheet

1-Nitropropane

Product information

Chemical Name 1-Nitropropane

Structural



formula :

Molecular

formula: C₃H₇NO₂

Molecular

Weight: 89.09

Appearance Colorless to slight yellow transparent liquid

Purity $\geq 99\%$

CAS.NO. 108-03-2

EINECSNo. 203-544-9

Physical characters

A colorless liquid, having a similar odor with chloroform. The melting point of -103.99°C, the boiling point of 131.18°C, relative density 1.001 (20/4°C), refractive index of 1.4016 (closed cup flash point, 49°C, 419°C). The content of total boiling water is 63.5%, and the boiling point is 91.63°C. With air to form an explosive mixture, the explosion limit of 2.6% (volume). Can be mixed with alcohol, ether and other organic solvents, slightly soluble in water.

Specification

Items	Specification	Results
Appearance	Colorless to slight yellow transparent liquid	Conforms

Assay	≥99%	99.7%
Density	0.98-1.01	0.997
Refractive index	1.36-1.42	1.40
Boiling point	130-132°C	131°C
Water	≤0.5%	0.035%
Total impurities	≤2%	Conforms
Single impurity	≤0.5%	0.04%

Application

Mainly used as solvents and intermediates, jet fuel, sprays, etc.

Packing

200 kgs/iron drumx80 drums=16tons/1x20' FCL

Storage

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

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