

Technical Data Sheet

Eastman™ n-Butyronitrile

Applications

- Agriculture intermediates
- Fungicides int
- General industrial coatings
- Insecticides int
- Intermediates
- Pharmaceutical chemicals
- Photographic chemicals
- Process solvents

Product Description

Eastman™ n-Butyronitrile is a clear, colorless liquid at room temperature. It has a sharp suffocating odor resembling that of oil of bitter almonds. Warning: This compound is very toxic. Do NOT check its odor.

Typical Properties

Property	Typical Value, Units
General	
Molecular Weight	69.1
Empirical Formula	C ₄ H ₇ N
Boiling Point	
@ 50 mm Hg	43 °C (109 °F)
@ 100 mm	59 °C (138 °F)
@ 200 mm	76 °C (169 °F)
@ 400 mm	96 °C (205 °F)
	116-117.7 °C (223-225 °F)
Specific Gravity	
@ 20°C/20°C	0.794
Freezing Point	-112 °C (-170 °F)
Water	<0.1 %
Carbonyl	<0.01 %
Acidity	
as Butyric Acid	0.01 %
Refractive Index	1.3831 n(20°C/D)
Density	
@ 25°C	6.55 lb/gal
Flash Point	
Tag Closed Cup	21 °C (69 °F)
Autoignition Temperature	488 °C (910 °F)
Explosion Limits	
Lower	1.65 %
Solubility	
in Acetone, @ 25°C	Miscible
in Benzene, @ 25°C	Miscible
in Carbon Tetrachloride, @ 25°C	Miscible
in Water, @ 25°C	3.3 wt %
Water In, @ 25°C	Trace

Form	Liquid
Melting Point	-112 °C
Color	
Pt-Co	25 max.
Assay	99.5 wt % min.

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

Eastman and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

3/29/2018 3:26:12 PM