

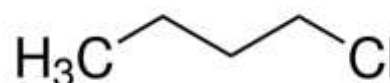


# Product Specification

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## 1-CHLORO BUTANE FOR HPLC

PRODUCT CODE	714900
SYNONYMS	n-butyl chloride
C.I. NO.	--
CASR NO.	(109-69-3)
ATOMIC OR MOLECULAR FORMULA	C <sub>4</sub> H <sub>9</sub> Cl
ATOMIC OR MOLECULAR WEIGHT	92.57
PROPERTIES	--



PARAMETER	LIMIT
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Description	A clear and colourless liquid.
Solubility	5% solution in ethanol is clear and colourless solution.
Minimum assay (GC)	99.80%
Wt. per ml at 20°C	0.882 – 0.886 g
Boiling range	77 – 78°C
Refractive index (n) <sub>D</sub> <sup>20</sup>	Abt. 1.402

### MAXIMUM LIMIT OF IMPURITIES

Residue on evaporation	0.001%
Water	0.02%
Acidity (as HCl)	0.001%
Alkalinity (as NH <sub>3</sub> )	0.0002%
UV transmission at	
230 nm	65% min.
240 nm	95% min.
250 nm	98% min.

**Note(s) :** Assay (if applicable) method mentioned.

### WARNING

**HAZARD STATEMENTS:** Flammable liquid and vapour. Harmful if swallowed. Causes mild skin irritation.

### PRECAUTIONARY STATEMENTS :

**Prevention:** Ground/bond container and receiving equipment. Use only non sparking tools. Take precautionary Measures against static discharge. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves and eye/face protection.

**Response:** If eye irritation persists, get medical advice/attention. If skin irritation occurs, seek medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use foam for extinction.

IMDG Code : 3/II  
UN No. : 1127  
IATA : 3

**Disposal:** Allow to evaporate in safe open area (applicable for small quantities). The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. If the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company.

### Hazard Pictogram(s) :



GHS02



GHS08

Replace date 01-Jan-2026