

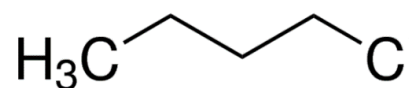


# Product Specification

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## 1-CHLORO BUTANE FOR HPLC

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



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 <sup>o</sup> C	0.882 – 0.886 g
Boiling range	77 – 78 <sup>o</sup> C
Refractive index (n) <sub>D</sub> <sup>20</sup>	Abt. 1.402

### MAXIMUM LIMIT OF IMPURITIES

Residue on evaporation	0.001%
Water	0.01%
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.**

#### DANGER

**Hazard statements :** Toxic if inhaled. Toxic in contact with skin. Toxic if swallowed. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects

#### Precautionary statements

**Prevention :** Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Response :** Get medical advice/attention if you feel unwell. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Gently wash with plenty of soap and water. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Keep container tightly closed. Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS. Wash/Decontaminate removed clothing before reuse. Remove/Take off immediately all contaminated clothing

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

**Disposal:** Dispose of contents and container in accordance with relevant legislation.

#### Hazard Pictogram(s) :



GHS06



GHS08

Replace date :- 29-March-2018