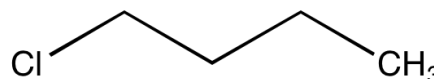


**Identification**

$C_4H_9Cl$   
 M = 92,57 g/mol  
 CAS [109-69-3]  
 EC number: 203-696-6  
 Taric code: 2903 19 80


**Synonyms**

n-Butyl chloride, n-Propylcarbinyl chloride

**Applications**

analytical chemistry, synthesis of organic products.

**Specifications**

assay (G.C.).....	min. 99,8 %	min. transmission/max. absorbance	
identity (IR-spectrum).....	passes test	in a 1,0 cm cell at	
density (20°/4°).....	0,885 - 0,887	wavelength:	T(%) A (AU)
acidity.....	max. 0,0002 meq/g	225 nm.....	20 % 0,699 AU
alkalinity.....	max. 0,0002 meq/g	230 nm.....	50 % 0,301 AU
residue on evaporation.....	max. 0,0001 %	245 nm.....	90 % 0,046 AU
water (K.F.).....	max. 0,03 %		

Microfiltered through membranes  
of pore diameter 0,22 µm

**Physical data**

- Density: 0,88 g/cm<sup>3</sup>
- Solub. in water: (20 °C): ~ 0,5 g/l
- Melting point: -123 °C
- Boiling point: 78 °C
- Flash point: ~ -17 °C
- Ignition temperature: ~ 280 °C
- Vapour pressure: (20 °C) ~ 110 hPa
- Viscosity: (20 °C) 0,45 mPas
- Expl. limit (upper): 10,1 Vol%
- Expl. limit (lower): 1,8 Vol%

**Safety - GHS**

**Signal Word:** Danger


**Hazard Statements:**

H225: Highly flammable liquid and vapour.

**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
- P241: Use explosion-proof electrical / ventilating / lighting / equipment.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P240: Ground/bond container and receiving equipment.
- P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 2670 mg/kg
- WGK: 3\*
- Poison class CH (Swiss): 4

**Transport/storage**

- ADR: 3 F1 II • UN 1127 • CHLOROBUTANES
- IMDG: 3 II • UN 1127 • CHLOROBUTANES
- IATA/ICAO: 3 II • UN 1127 • CHLOROBUTANES
- PAX: 305
- CAO: 307
- Store between 15°C and 25°C