

Sodium chloride, synthesis grade**Identification**

NaCl
M = 58,44 g/mol
CAS [7647-14-5]
EC number: 231-598-3
Taric code: 2501 00 31

Synonyms

Salt, Common salt, Rock salt, Sea salt




Applications

analytical chemistry, laboratory reagent, to make sodium salts, in food industry, for decreasing the melting point of water.

Specifications

| | | | |
|-----------------------------|-------------|-----------------------------------|------------|
| assay (argentometric) | min. 99 % | sulfates (SO ₄) | max. 0,1 % |
| insoluble in water..... | max. 0,1 % | ammonium (NH ₄)..... | max. 0,1 % |
| acidity (as HCl)..... | max. 0,05 % | potassium (K)..... | max. 0,2 % |
| bromides (Br)..... | max. 0,1 % | | |

Packaging**Packaging Code**

1 kg  SO02241000
5 kg  SO0224005P
25 kg  SO0224025P

Physical data

- Appearance: crystals, colourless or white
- Spec. Density: 2,17 g/cm³
- Bulk density: ~ 1140 kg/m³
- Solub. in water: (20 °C): 358 g/l
- Melting point: 801 °C
- Boiling point: 1461 °C
- Vapour pressure: (865 °C) 1,3 hPa
- pH(100 g/l H₂O, 20 °C) ~ 4,5 - 7,0

Toxicological data

- LD 50 (oral, rat): 3000 mg/kg
- WGK: 1
- Poison class CH (Swiss): F