

## Technical trichlorosilane

<b>CHEMICAL NAME</b>	Trichlorosilane
<b>CAS NUMBER</b>	10025-78-2
<b>FUNCTION</b>	Raw material for organofunctional silanes and other derivatives based on silicon.
<b>TECHNICAL REQUIREMENTS</b>	Purity (GC) ..... min. 97% Total metal impurity ..... max. 2%
<b>GENERAL DATA</b>	Molecular weight .....135,45 g/mol Colour..... colorless Smell .....pungent Solubility in water.....reacts violently with HCl and H <sub>2</sub> emission Density at 20°C .....1.34 g/ml Melting temperature..... -126.6°C Boiling point ..... 31,9°C Vapor pressure (22.5°C)..... 72 kPa Explosive properties.....none, in contact with water emits H <sub>2</sub> Auto-ignition temperature ..... > 224°C
<b>APPLICATION</b>	Organofunctional silanes production, types AMEO, GLYMO, VTMO, alkyl and perfluoroalkyl derivatives