



PRODUCT DATA SHEET

INFORMATION ON INGREDIENTS

Product name: Betaine Hydrochloride 95%

Ingredient	Concentration	CAS No.	ES No.
Betaine hydrochloride	95%	590-46-5	209-683-1

HANDLING AND STORAGE

Handling:

Wear appropriate protective clothing and chemical safety gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Mechanical exhaust required. Keep away from ignition sources, heat and flame. Incompatibilities: strong oxidizing agents. No smoking at working site.

Storage:

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container. Incompatibilities: strong oxidizing agents.

PHYSICAL/CHEMICAL PROPERTIES

Appearance : White crystalline powder

Odor : Weak odor

Molecular: $C_5H_{12}NO_2 \cdot Cl$

Molecular Weight: 153.61

pH Value: 1.3

Melting Point: 257~260oC

Solubility: Very soluble in water

STABILITY AND REACTIVITY

Stability:

Stable under normal temperature and pressure

Conditions to Avoid:

Moisture.

Materials to Avoid:

Strong oxidizing agents.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

CO, CO₂, Nitrogen oxides, Hydrogen chloride gas