



Brine Make-up & Storage Systems

Chemical Properties of Pure Sodium Chloride

PROPERTY	VALUE
Molecular weight	NaCl 58.4428
Atomic weight – Na	22.989768 (39.337%)
Atomic weight – Cl	35.4527 (60.663%)
Specific gravity	2.1 – 2.6
Eutectic composition	23.31% NaCl
Freezing point of eutectic mixture	21.12° C (-6.016°F)
pH of aqueous solution	neutral