

SODIUM CHLORIDE
IP GRADE
TECHNICAL DATA SHEET

SYNONYMS

Salt, Halite, Table Salt, Sea Salt, Isotonic Saline

CHEMICAL STRUCTURE AND IDENTITY

Molecular formula	NaCl
Molecular weight	58.44 g/mol
CAS number	7770-23-5
EINECES number	231-598-3
HS code	25010010

SPECIFICATIONS

Sodium Chloride (As s NaCl)	99.0% to 100.5% Min
Sulphate	0.02% Max
Magnesium	0.01% Max
Potassium	0.05% Max
Bromide	0.01% Max
Phosphate	25PPM Max
Nitrites	0.01% Max
Loss on drying	0.05% Max
Iron	2PPM Max
Arsenic	1PPM Max
pH	7

PHYSICAL PROPERTIES

Boiling Point	1465°C
Melting Point	801°C
Density	2.16 g/cm ³

DESCRIPTION

Sodium chloride is characterized by colorless, crystalline appearance and odorless smell. In its solid form, Sodium chloride can be easily dissolved in water.

PACKAGING

Available in 25kg and 50kg bags. Other packaging may be considered on request.

STORAGE AND HANDLING

Prevent formation of aerosol. Follow good hygiene procedure when handling chemical materials. Do not eat, drink, smoke, or use personal products when handling chemical substance. Store in cool location. Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flame. Store in cool, dry condition in well-sealed containers. Keep container tightly sealed.

SAFETY

Wear protective equipment. Use respiratory protective devices against the effect of fumes/ dust/ aerosol. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat.

FIRST AID MEASURES

Inhalation: Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists.

Skin contact: Wash affected area with soap and water. Rinse thoroughly. Seek medical attention if irritation, discomfort or vomiting persists.

Eye contact: Protect exposed eyes. Rinse/flush eyes gently using water for 15-20 minutes. Remove contact lenses if able to do during rinsing. Seek medical attention if irritation persists or if concerned.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting, have exposed individual drinks sips of water. Seek medical attention if irritation, discomfort or vomiting persists.

SPILL AND DISPOSAL

Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment. Dispose in a safe manner in accordance with local/national regulations.

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