

# INDUSTRIAL SALT



Industrial salt is one of the most fundamental raw materials in the chemical industry and is often referred to as the "mother of the chemical industry." The main component of industrial salt is sodium chloride, but it may also contain impurities such as sodium nitrite, magnesium chloride, and calcium chloride. In appearance, it is typically a white crystalline substance and can come in various forms such as lumps, granules, or powder.

# QINGDAO CHEMLINK

# PRODUCT ADVANTAGES

## Solubility

01

Highly soluble in water, with the aqueous solution being neutral.

02

## Melting and Boiling Points

The melting point is approximately  $801^{\circ}\text{C}$ , and the boiling point is  $1413^{\circ}\text{C}$

03

## Hygroscopicity

Exhibits certain hygroscopicity, readily absorbing moisture from the air to deliquesce



# APPLICATION FIELDS



## Chemical Raw Material

It is an important raw material for the production of various chemical products such as caustic soda, soda ash, hydrochloric acid, and chlorine gas. For example, electrolyzing saturated brine can produce caustic soda, chlorine gas, and hydrogen gas.

## Printing and Dyeing Industry

It is used as a mordant for dyes, which can increase the dye uptake rate and ensure more uniform dyeing.

## Metalwork

It is used as a rust remover and a flux in processes such as metal pickling and electroplating, helping to remove oxides from metal surfaces and improve the adhesion of plating layers.

## Water Treatment:

It can be used as a water softener to remove calcium and magnesium ions from water, reducing water hardness.

# PRECAUTIONS



**Industrial salt may contain substances harmful to human health, such as sodium nitrite. Ingestion can lead to poisoning, and in severe cases, it can be life-threatening.**



**During storage, the warehouse should be kept dry and well-ventilated to avoid dampness and rain, preventing the salt from clumping and deteriorating.**



**When using industrial salt, it is important to strictly follow the operating procedures to avoid direct contact with the skin and eyes. If contact occurs, the affected area should be immediately rinsed with water.**





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# 工业盐



工业盐是化学工业的最基本原料之一，被称为“化学工业之母”。工业盐的主要成分是氯化钠，还可能含有亚硝酸钠、氯化镁、氯化钙等杂质。外观上多为白色晶体，有块状、粒状或粉末状等不同形态。

QINGDAO CHEMLINK

# 产品优势

01

## 溶解性

易溶于水，水溶液呈中性。

02

## 熔点和沸点

熔点约为 $801^{\circ}\text{C}$ ，沸点为 $1413^{\circ}\text{C}$ 。

03

## 吸湿性

具有一定的吸湿性，在空气中容易吸收水分而潮解。

# 应用领域

## 化工原料

是生产烧碱、纯碱、盐酸、氯气等多种化工产品的重要原料。例如，通过电解饱和食盐水可以制取烧碱、氯气和氢气。

## 印染行业

用于染料的促染剂，能提高染料的上染率，使染色更加均匀。

## 金属加工

在金属的酸洗、电镀等过程中用作除锈剂和助镀剂，帮助去除金属表面的氧化物，提高镀层的附着力。

## 水处理

可作为软水剂，去除水中的钙、镁离子，降低水的硬度。



# 注意事项



工业盐中可能含有对人体有害的物质，如亚硝酸钠，误食可能会导致中毒，严重时甚至危及生命。



储存时应保持仓库干燥、通风，避免受潮和雨淋，防止盐类结块和变质。



在使用过程中，要严格按照操作规程进行，避免与皮肤和眼睛直接接触，如接触到应及时用清水冲洗。



# 联系我们

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期待与您携手合作, 共创美好未来, 欢迎来电来函咨询洽谈。