



EPOCH MASTER GLOBAL BUSINESS(JIANGSU)INC.

RM.3-93,TENGFEI BUILDING,NO.88 JIANGMIAO RD., RESEARCH AND INNOVATION PARK,
NANJING ZONE,(JIANGSU) PILOT FREE TRADE ZONE ,CHINA

SPECIFICATION

PRODUCT NAME: Sodium Silicate
ORIGIN:CHINA

Product Description

Product Parameters

Appearance: Solid (clear lumps with light blue color) or liquid (transparent liquid)

Physical and Chemical data:

Melting Point	Refracture index	Density
1089°C	1.520	2.614g/m ³
EINECS	RTECS	
215-687-4	VW0400000	

Solubility: mutually dissolvable with water

Main types:

1. By modules:

- Low modules (2.0~2.3)
- High modules (3.2~3.5)

2. By status:

- Liquid
- Solid (lumps)

3. By dissolving speed:

- Regular
- Instant dissolving (powder form)

Main indexes:

Index	Low Modulus	High Modulus
Modulus	2.0~2.3	3.0~3.4
Na ₂ O content by wt %	31~33	22~24
SiO ₂ content by wt%	67~69	74~76
Na ₂ O + SiO ₂ content by wt %	98 min	98.5 min
Fe ₂ O ₃ content by wt %	0.05 max	0.12 max
Al ₂ O ₃ content by wt%	0.5 max	0.10 max
Water insoluble by wt%	0.3 max	0.3 max
Appearance by visual	Clear lumps with light blue color	

Detailed Photos



Application

1. Detergent industry
2. Construction industry

Functions in detergent industry:

1. pH buffering agent
2. Suspension agent
3. Emulsifying and detergent solution and stabilizing foam
4. Slurry modifier in powder detergent, and stabilizing STPP in the detergent solution
5. Rust inhibitor for equipment, especially for aluminum and copper made parts
6. Removing Mg²⁺ ion in water when used together with soda ash

Important Notice

1. Sodium silicate can be made from different raw material, the mostly used are:

- Sodium Sulphate + quartz sand (we call it SSA process)
- Soda ash + quartz sand (we call it Soda Ash process)

According to Rawchem's experience, SSA process product can not be used in detergent industry due to its color and quality stability problems, so we only use soda ash process for detergent industry clients



EPOCH MASTER GLOBAL BUSINESS(JIANGSU)INC.

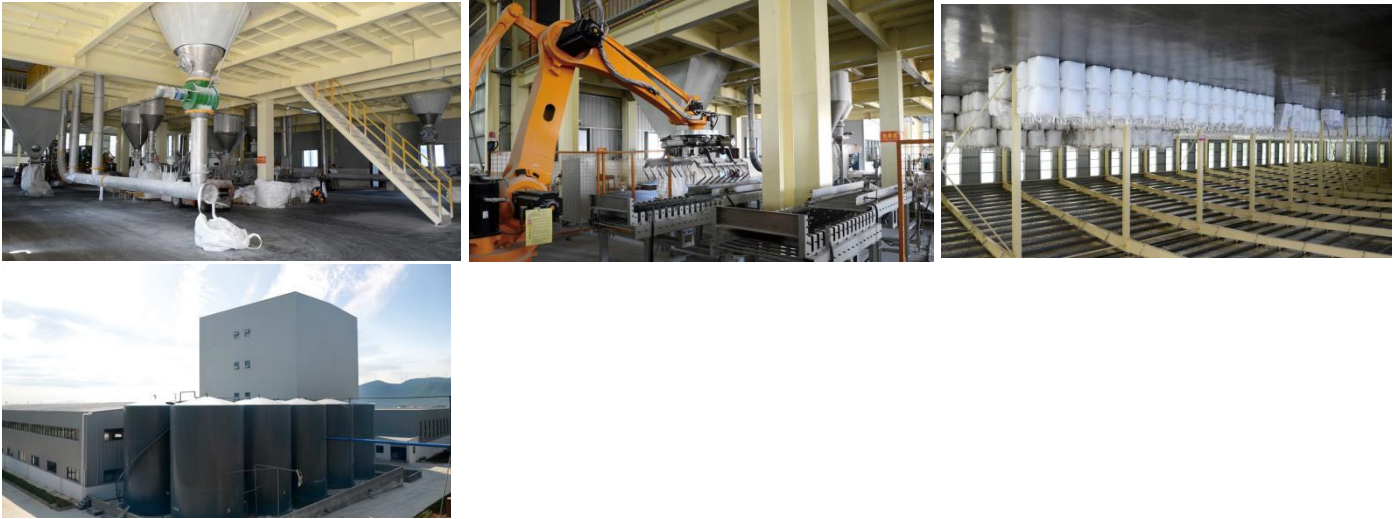
RM.3-93,TENGFEE BUILDING,NO.88 JIANGMIAO RD., RESEARCH AND INNOVATION PARK,
NANJING ZONE,(JIANGSU) PILOT FREE TRADE ZONE ,CHINA

2. There are different types of sodium silicate, just by the name "sodium silicate", normally we can not define which item exactly it is, to quote or offer, we need to know the following info:

- Liquid or solid
- Modules

3. We normally list 3 years as the shelf life in our COA, the real shelf life is actually much longer than 3 years if it's stocked in good condition (bags are sealed enough, away from direct sun-light, moisture and other incompatible chemical materials)

Factory Photos



We hereby certify that the above statements are true and correct in every respect.

佰阿斯达国际贸易(江苏)有限公司
EPOCH MASTER GLOBAL BUSINESS(JIANGSU) INC.

李兵波

LI BINGBO (I)