



DATSCO RESOURCES INC

2275 UPPER MIDDLE ROAD EAST
SUITE 101 OAKVILLE
ON L6H0C3 CA
PHONE: +14373402451

TECHNICAL DATA SHEET

Material: Sodium Metasilicate Anhydrous

CAS Number: 6834-92-0

Latest Update: 2016-10-01

Product of Origin: P.R. China

DESCRIPTION OF THE PRODUCT

Sodium metasilicate is a type of silicic acid salt and is classified as an inorganic salt products, and its molecular formula is $\text{Na}_2\text{SiO}_3 \cdot n\text{H}_2\text{O}$. It is a non-toxic, odorless and harmless white powder or crystalline particle. It is soluble in water, but not in alcohols or acids. Its aqueous solution is alkaline and is capable of hygroscopy and deliquescence when in contact with air. It has purifying, emulsifying, dispersing, moistening, permeating and PH buffering abilities. Sodium metasilicate is a low molecular weight crystal that results from the heat reaction between foaming alkaline and caustic soda water. Products include anhydrous, pentahydrate and nonahydrate compounds.

SALES SPECIFICATION

Items	National first-rate indexes	Product testing results
Sodium oxide (Na ₂ O)%	50.0-52.0	51.6
Silicon oxide (SiO ₂)%	≥45	45.9
Water insoluble matter %	≤0.25	0.10
Iron levels (Fe)%	≤0.03	0.01
White degree	≥85	88
PH Value (1.0% solution)	12-13	12

APPLICATION SCOPE (SUGGESTION)

Sodium metasilicate is mainly used as a starting material for zeolites and silica catalysts. It acts as an adhesive and binder, corrosion inhibitor, penetrating sealant, coagulant in waste water treatment, fixative for hand dyeing with reactive dye and detergent auxiliaries. It is widely used in cements, drilling fluids, fireproofing wood, refractories and automobiles. Further, it serves as a surfactant, emulsifier, wetting agent, suspending agent, dispersing agent and anti-corrosive agent in boiler water



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PACKAGE

20kg or 25kg paper/plastic bags, or as per customers' requirement

STORAGE

Store it in a cool, dry place temperature below 35°C, max.

SHELF LIFE

24 month in the proper condition.