

Material safety data Sheet

Material Name: Sodium Thiosulphate

1. Chemical Product and Company Identification

Chemical Name: Sodium Thiosulphate

Chemical Formula: Na₂S₂O₃.5H₂O

Formula weight: 248

CAS NO: 10102-17-7

Company Information

CHINA NAFINE GROUP INTERNATIONAL CO. LTD.

ROOM 1206, VANLONG (PACIFIC) BUILDING, NO78, SHIYIJING ROAD HEDONG

DISTRICT, TIANJIN, 300171, CHINA

2. Specification

ITEMS	INDEX	
	A	B
Na ₂ S ₂ O ₃ .5H ₂ O%, ≥	99.0	99.0
Insolubles in water, %, ≤	0.01	0.01
Na ₂ S, %, ≤	0.001	0.001
Fe, %, ≤	0.002	0.002
Particle size (grain/gram)	15-18	18-35
pH value (200g/L solution)	6.5-9.5	

3- Hazards identification

Health Effects- Acute

Eye contact: Dusts may be irritating to the eyes.

Skin contact: Prolonged contact may be irritating. Slightly toxic by skin absorption.

Inhalation: No data available

Swallowed:

If ingested in large amounts, nausea, vomiting and diarrhea are probable.

Health Effects-Chronic: No significant health effects could be found.

4. First Aid Measures

Inhalation : remove to fresh air. Get medical attention for any breathing difficulty.

In case of skin contact: Remove contaminated clothing. Wash affected area with large amount of soap and water. If irritation develops seek immediate medical assistance.

In case of eyes contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical assistance if irritation develops.

Wash thoroughly with running fresh water or get medical advice if irritation develops.

In case of Swallowed: IF conscious, immediately rinse mouth with water & give water to drink.

Seek immediate medical assistance. Do not give liquids to an unconscious person.

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5.Fire Fighting Measure

In case of fire, use water or other fire extinguisher as the fire fighting media. And firefighters should use protective clothing and breathing equipment appropriate for the surrounding fire.

6-Accident release measure

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

7-Handling and storage

Keep in a tightly closed container then stored in a cool, dry and ventilated place. No hook used when handling. Isolate from incompatible chemical substances.

8-Exposure controls personal protection

Eye and skin contact: No adverse effects is expected but dust may cause irritation.

Inhalation: Not expected to be a health hazard.

Swallowed: Mildly toxic by ingestion.

9-physical and chemical properties

Physical Properties:

Appearance: Monoclinic, Colorless crystals

Odor: Odorless

Melting Point: -47.8°C

Bulk Density: g / cm³

Specific Gravity :1.69

Chemical Properties:

Extremely hygroscopic; Easily soluble in water. It can be dissolved in glycerin but insoluble in alcohol. Its accessibility makes it easily become monohydrated salt when it is exposed to the air.

10-stability and reactivity

Stability: Stable in tightly closed containers under normal conditions of storage.

Hazardous Polymerization: Will not occur.

11-Toxicological information

No information available for the product

12-Ecological information

No information available for the product

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13-Disposal consideration

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility.

14 Transport information

Packing: 25kg/50kg/1000kg net each in P.P woven bag lined with P.E bag.

The product is not regulated for shipping of IMO

15-Regulation information

The product produced under the Standard of GB6009-92

16.Other Information

Label Hazard Warning:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions:

None.

Label First Aid:

Not applicable.

Uses: Mainly used for photography, electroplating, tanning, bleaching, disinfectant industries and so on

MSDS date of modified:01/02/2016

Disclaimer: The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied is given.

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