



## SAFETY DATA SHEET

### 1. Identification of the preparation and of the company

Catalogue No. S 17029  
Product Name: **SODIUM SILICATE (META) PENTAHYDRATE 97%**

#### *Manufacturer / supplier identification*

Company : NICE CHEMICALS PVT.LTD. , Cochin , India  
Tel - 0484 2800212 , 2802755  
Contact for Information : Tel . No. - 0484 2802536 Fax : 0484 2802483  
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

### 2. Composition / Information on ingredients

*Synonyms* : SODIUM METASILICATE PENTAHYDRATE

CAS-No : 10213-79-3

EC -No. 231-890-0

Formula :  $\text{Na}_2\text{SiO}_3 \cdot 5\text{H}_2\text{O}$

M : 212.14 g/mol

3. **Hazards Identification** : Very hazardous in case of skin contact : Irritant Eye contact : Irritant.  
Hazardous in case of inhalation.

### 4. First Aid Measures

After skin contact : wash off with plenty of water. Remove contaminated clothing.  
After eye contact : rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.  
After inhalation : fresh air. Summon doctor.  
After swallowing : make the victim drink plenty of water, induce vomiting. Summon doctor.  
Laxative: sodium sulphate

### 5. Fire - fighting measures

Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.  
Special risks : Combustible.  
Other information : Prevent fire-fighting water from entering surface water or ground water.

### 6. Accidental release Measures

Person-related precautionary measures : Avoid generation of dusts; do not inhale dusts.  
Environmental protection measures : Do not allow to enter sewerage system.  
Procedures for cleaning/absorption : Take up dry. Forward for disposal. Clean up affected area.

### 7. Handling and Storage

Handling : Do not inhale dusts. Avoid contact with skin and eyes.  
Storage : Tightly closed and dry. In a well ventilated place. Storage temperature : No restrictions



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### 8. Exposure controls / personal protection

#### *Personal protective equipment*

Respiratory protection : required when dusts are generated.

Eye protection : required

Hand protection : required

depending on Protective clothing should be selected specifically for the working place,  
of the concentration and quality of the hazardous substance handled . The resistance  
supplier. protective clothing to chemicals should be ascertained with the respective

Industrial hygiene : Change contaminated clothing. Wash hands after working with substance.

Application of skin-protective barrier cream recommended.

### 9. Physical and chemical properties

Form : Solid  
Colour : white  
Odour : Not available  
PH value at 50g/l H<sub>2</sub>O (20<sup>0</sup>C) : Not available  
Melting temperature : 72.2 °C  
Boiling temperature : Not available  
Ignition temperature : Not available  
Flash point : Not available  
Explosion limits Lower : Not available

Upper : Not available  
Density (20<sup>0</sup>C) : Not available  
Bulk density : Not available  
Solubility in water (20<sup>0</sup>C) : Not available

### 10. Stability and reactivity

*Conditions to be avoided* : Not available

*Substance to be avoided* : Not available

*Hazardous decomposition products* : Not available

### 11. Toxicological Information:

Acute toxicity : LD<sub>50</sub> (oral, rat) : Not available. LC<sub>50</sub> : not available. Eye contact : Inhalation, ingestion.

Chronic effects on Humans : Not available.

Other toxic effects on humans : very hazardous in case of skin contact (Irritant) : of ingestion.

Hazardous in case of inhalation. Slightly hazardous in case of skin contact : corrosive.

Toxicity to animals, humans : Not available.



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Further data : The product should be handled with the care usual when dealing with chemicals.

### 12. Ecological Information:

Ecotoxic effects : Not available. BOD<sub>5</sub> and COD : Not available.  
Products of Biodegradation : Possibly hazardous short term degradation products are not likely.  
However, long term degradation products may arise.  
Toxicity of the products of Biodegradation : The products of degradation are more toxic.

### 13. Disposal Method :

#### *Product*

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC Member countries through that you corresponding laws and regulations. We recommend contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

#### *Packaging*

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. **Transport information** : No subject to transport regulations.

### 15. Regulatory Information

#### *Labelling according to EC Directives*

Symbol : -----  
R-phrases : -----  
S-phrases : -----

### 16. Other information

General update.

The information contained here in is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.