



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : S 13339
Product Name : SODIUM METABISULPHITE

Manufacturer/supplier identification
Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonymus : Sodium Metabisulphite, Sodium Pyrosulphite

CAS-No : 7681-57-4 Ec-Index No. :
Molar Mass : 190.10 EC-No. : 231-673-0
Molecular Formula : Na₂O₅S₂

3. HAZARDS INDEX : Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to respiratory system. Risk of serious damage to eyes.

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.
After swallowing : make victim drink plenty of water, induce vomiting, summon doctor.

5. FIRE-FIGHTING MEASURES : Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.
Special risks: Development of hazardous combustion gases or vapours possible in the event of fire. The following may develop in event of fire : sulphur dioxide
Special protective equipment for fire fighting : Do not stay in dangerous zone without suitable chemical protection clothing and self - contained breathing apparatus.
Other information : Non-combustible. Contain escaping vapours with water.
Prevent fire-fighting water from entering surface water or groundwater.

6. ACCIDENTAL RELEASE MEASURES

Person - related precautionary measures : Avoid generation of dusts; do not inhale dusts. Avoid substance contact.
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 - No further requirement.



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Storage - Tightly closed. Dry.
Storage temperature : No restrictions.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.
Eye Protection : Required
Hand Protection : Required

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

Industrial hygiene : Immediately change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	White
Odour	:	Characteristic
pH value at 50 g/l H ₂ O (20° C)	:	4.0 - 5.0
Melting temperature	:	~ 150° C
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash Point	:	Not available
Explosion limit lower	:	Not available
upper	:	Not available
Relative vapour density	:	Not available
Density (20° C)	:	1.48 gm/cm ³
Bulk density	:	1000 - 1200 Kg/m ³
Solubility in Water (20° C)	:	640 gm/lt.
Thermal decomposition	:	> 150° C
Log P (oct)	:	-3.7

13. STABILITY AND REACTIVITY

Conditions to be avoided : Strong heating
Substances to be avoided : acids, oxidizing agent.
Hazardous decomposition products : in the event of fire : sulphur oxides.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD₅₀ (oral, rat) : 1540 mg/Kg :
Subacute to chronic toxicity :
Eye irritation test (rabbit) : Irritant effect.
Skin irritation test (rabbit) : no irritation.
Further toxicological information
After inhalation : Irritations of the mucous membranes in the mouth, pharynx,



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oesophagus and gastrointestinal tract.

Further data : Further hazardous properties cannot be excluded.

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

12. ECOLOGICAL INFORMATION : Biologic degradation :

Slightly eliminable (DOC reduction <20%).

Behavior in environmental compartments : Distribution : log P(oct) : -3.7

Ecotoxic effects : Biological effects : Toxic for aquatic organisms.

When introduced properly, no impairments in the function of adapted biological waste-water-treatment plants are to be expected. Fish toxicity : *S.gairdnerii* LC₅₀ :

150-220 mg/lt./96 h; Bacterial toxicity : *Ps.putida* EC₅₀ : 56 mg/lt./16 h;

Daphnia toxicity : *Daphnia magna* EC₅₀ : 89 mg/lt./24 h;

Further ecologic data : COD : 165 mg/gm ; ThOD : 154 mg/gm;

Do not allow to enter eaters, waste water, or soil !

13. DISPOSAL METHOD : 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 corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

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 : Not subject to transport regulations.

15. REGULATORY INFORMATION

Labeling according to EC Directives

Symbol :	Xn	Harmful
R-phrases :	22-31-37-41	Harmful if swallowed, Contact with acids liberates toxic gas. Irritating to respiratory system. Risk of serious damage to eyes.
S-phrases :	26-39	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.

Water pollution class : 1 (slightly polluting substance)

16. OTHER INFORMATION

Reason for alteration

General update.

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



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