



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : B11829

Product Name : Borax

Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India

Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483

Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : di sodium, tetra borate

CAS-No : 1303-96-4

EC-No. : 215-540-4

Molecular Formula : $C_7H_{14}O_2$

3. HAZARDS IDENTIFICATION

According to the evaluative data available, a classification according to categories of danger as specified in Directive 67/548/EEC and laid down in the legislation of the country required.



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4. FIRST AID MEASURES

After inhalation : fresh air.

After skin contact: wash off with plenty of water .Remove contaminated clothing

After eye contact: rinse out with plenty of water with eyelids wide open.

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

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : Water, foam, powder, CO₂

Special risks : none.

Other information: Non combustible.

6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning / absorption :

Take up dry. Forward for disposal. Clean up affected area.

Person – related precautionary measures :

Avoid generation of dusts . do not inhale dusts.

7. HANDLING AND STORAGE

Handling : No further requirements..

Storage : Tightly closed . Dry . 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

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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form :
Colour :
Odour :
PH value : ~9-10
At 40 g/l H₂O (20⁰ C)
Melting temperature : not available
Boiling temperature : not available
Ignition temperature : not available
Flash point : not available
Explosion limits lower : not available
Upper : not available
Relative vapour density : Not available
Density (20⁰ C) : not available
Solubility in water (20⁰C) : not available



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10. STABILITY AND REACTIVITY

Conditions to be avoided : strong heating. Substance to be avoided : no information available

Hazardous decomposition products : no information available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD₅₀ (oral, rat): 2660mg/Kg

LDL₀ (oral, human): 709mg/Kg

Further toxicological information

After skin contact: absorption.

After swallowing: rapid absorption

Absorption via: gastrointestinal tract, skin, mucous membranes.

12. ECOLOGICAL INFORMATION

Ecotoxic effects: biological effects: Herbicidal effect.

Fish toxicity: LC₅₀ : 807 mg/l Crustaceans: Daphnia EC₀ : 180 mg/l

Further ecologic data: Trace element. Fertilizing effect possible.

The following applies to boron compounds in general: biological

Effects: boric acid developing as a result of hydrolysis for aquatic organisms; fish: Gambusia affinis 96h. LC₅₀: 5600mg /l

LC₅₀ : 1800mg/l; plants as toxic from 1 mg/l.

Do not allow to enter waters, waste water , or soil.



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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 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 .

Packaging : Disposal in compliance with official Regulations . Handle contaminated packaging as 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

Labelling according to EC Directives

Symbol :

R- Phrases :

S-phrases : 24/25 Avoid contact with skin and eyes.

Water pollution class : 1 (slightly polluting substance)

16. OTHER INFORMATION

Reason for alteration

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.
