



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : T 41259
Product Name : TOTAL HARDNESS INDICATOR POWDER

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 Tele fax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of inorganic and organic compounds (tableted)
Product contains : Narcotic !

Hazardous ingredients:

Name according to EC Directives : Barbitol sodium salt (5,5-diethyl barbituric acid, sodium salt)

| | | | |
|---------------------|----------|-------------|-----------------------|
| Hazardous symbols : | Xn | R-phrases : | 22 |
| EC-Index-No.: | none | | Harmful if swallowed. |
| CAS-No. : | 144-02-5 | Content: | >- 50 % |

Name according to EC Directives : Hexamethylenetetramine

| | | | |
|------------------|----------|------------|--|
| Hazard symbols : | Xn F | R-phrase : | 11-42-43 |
| EC-Index-No. : | none | | Highly flammable . May cause sensitisation by inhalation and skin contact. |
| CAS-No.: | 100-97-0 | Content : | >- 1- 10 % |

3. HAZARDS IDENTIFICATION

Harmful if swallowed.

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.

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

After inhalation(large amounts of dusts): Fresh air.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : In adaption to materials stored in the
immediate neighbourhood.

Special risks : None.

Other information : Although combustible, the product poses no fire risk.

6. ACCIDENTAL RELEASE MEASURES

Person –related precautionary measures: Avoid generation of dusts.



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Procedure for cleaning /absorption : Take up dry. Forward for disposal .
Clean up effected area.

7. HANDLING AND STORAGE :

Handling : No further requirements.

The data on storage temperature apply to the entire pack.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION :

Personal protective equipment

Respiratory protection : Required when dusts are generated .

Eye protection : Not required

Hand protection : Not required

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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|----------------------------|---|---------------|
| Form | : | Solid |
| Colour | : | Dark green |
| Odour | : | Odourless |
| pH value | : | Not available |
| 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 | : | Not available |
| Solubility in water (20°C) | : | Soluble |

10. STABILITY AND REACTIVITY

Conditions to be avoided : Heating.
Substance to be avoided : No information available.
Hazardous decomposition products : No information available.



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11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD 50 (oral, rat) : 600 mg/kg (toxicologically determinant component);
Further toxicological information :
After swallowing : Rapid absorption.
Systemic effects : After absorption of toxic quantities : CNS disorders, respiratory paralysis, cardiovascular failure.
Further data : No toxic effects are to be expected when the product is handled appropriately.

12. ECOLOGICAL INFORMATION

Ecotoxic effects :
Quantitative data on the ecological effect of this product are not available.
Further ecologic data : Do not allow to enter waters, 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

Entire package : not subject to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xn Harmful
R- Phrases : 22 Harmful if swallowed.
S-phrases : -----
Contains : Barbitol sodium salt (5,5-diethyl barbituric acid, sodium salt)
Water pollution class : 2 (polluting substance) (own classification)



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16. OTHER INFORMATION

Reason for alteration :

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.
