



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : P 64929  
Product Name : PARAFORMALDEHYDE

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

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms: Paraform,polyoxymethylene

|              |              |                  |             |
|--------------|--------------|------------------|-------------|
| CAS-No.      | : 30525-89-4 | EC-No.           | : 200-001-8 |
| EC-Index-No. | : ----       | M                | : -----     |
| Formula Hill | : ----       | Chemical formula | : ----      |

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**3. HAZARDS IDENTIFICATION :** Harmful by inhalation and if swallowed . Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact.

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**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 if necessary..  
After swallowing : Make victim drink plenty of water. Subsequently administer: Activated charcoal (20-40 g in 10% slurry).  
Caution if victim vomits. Immediately summon doctor.

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**5. FIRE-FIGHTING MEASURES:** Suitable extinguishing media : Powder, foam, water,CO<sub>2</sub>.

Special risks : Combustible. Formation of hazardous combustion gases or vapours possible in the event of fire. Danger of dust explosion. The following may develop in event of fire : Formaldehyde vapours.

Special protective equipment for fire fighting : Do not stay in dangerous zone without self-contained breathing apparatus.

Other information: Take measures to prevent electrostatic charging.  
Beware of backfiring. Contain escaping vapours with water.  
Prevent fire-fighting water from entering surface water or ground water.

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# SAFETY DATA SHEET

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**6. ACCIDENTAL RELEASE MEASURES** : Person-related precautionary measures : Avoid substance contact. Avoid generation of dusts; do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

Environmental-protection measures : Do not allow to enter sewerage system.

Procedures for cleaning/absorption: Take up dry. Forward for disposal.  
Clean up effected area. Avoid generation of dusts.

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**7. HANDLING & STORAGE** : Handling: Notes for safe handling : Work under hood. Do not inhale substance.  
Storage : Tightly closed . Dry. Cool( below+15 ° C).  
Requirements for storage rooms and containers : No metal containers.

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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Specific control parameter : EC  
Name : Formaldehyde  
Carcinogenic : C3: owing possible carcinogenic effects for man  
Danger of sensitisation

Personal protective equipment : 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.

Respiratory protection : Required when dusts are generated.  
Eye protection : Required  
Hand protection : Required  
Other protective equipment : Suitable protective clothing.  
Industrial hygiene : Immediately change contaminated clothing. Apply skin-protective barrier cream. Wash hands after working with substance.

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## 9. PHYSICAL & CHEMICAL PROPERTIES

|  |   |                           |
|--|---|---------------------------|
| Form                                       | : | Powder                    |
| Colour                                     | : | Colourless                |
| Odour                                      | : | Characteristic odour      |
| pH value at 10 g/l H <sub>2</sub> O(20° C) | : | 4.0-5.5 (suspension)      |
| Melting temperature                        | : | 120-170 ° C               |
| Boiling temperature                        | : | Not available             |
| Ignition temperature                       | : | 370 ° C                   |
| Flash point                                | : | 70 °C c.c.                |
| Explosion limits lower                     | : | Not available             |
| Upper                                      | : | Not available             |
| Vapour pressure (25°C)                     | : | 1.93 hPa                  |
| Density (20° C)                            | : | 1.3 g/cm <sup>3</sup>     |
| Bulk density                               | : | 500-800 kg/m <sup>3</sup> |



# SAFETY DATA SHEET

Solubility in water(20°C) : Slightly soluble

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Catalogue No. : P 64929

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**10. STABILITY & REACTIVITY :** Conditions to be avoided : Warming.  
Substance to be avoided : strong oxidizing agents, bases.  
Hazardous decomposition products : In the event of fire : See chapter 5

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**11. TOXICOLOGICAL INFORMATION:** Acute toxicity : LD<sub>50</sub> (oral, rat): 592 mg/kg; LC<sub>50</sub>(inhalation, rat): 1.07 mg/l/4 h.

Specific symptoms in animal studied : Eye irritation test (rabbit): Severe irritations

Subacute to chronic toxicity :

The carcinogenic potential requires further clarification.

An embryotoxic effect need not be feared when the threshold Limit value is observed.

Further toxicological information :

After eye contact : Severe irritations.

After swallowing : Nausea, vomiting, gastric pain, Irritations of mucous membrane in the mouth, pharynx, oesophagus and gastrointestinal tract.

Systemic effects : Drop in blood pressure, collapse.

After inhalation : Dyspnoea, coughing. Possible damages : pulmonary oedema.

After skin contact : Severe irritations.

Chronic intoxication : Dermatitis.

Other notes: Product is transformed into by-products. Secondary

Product cause :

After skin contact : Risk of sensitisation . Danger of skin absorption.

Further data : Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

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**12. ECOLOGICAL INFORMATION :** Biologic degradation : BOD 37% from TOD /5 d.  
Potentially biodegradable(decrease : DOC < 70%; BOD<sub>5</sub> to COD < 50%).

Ecotoxic effects : Biological effects : Toxic for aquatic organisms.

Fish toxicity : fish LC<sub>50</sub> : > 10 mg/l/96 h.

Daphnia toxicity : Daphnia magna EC<sub>50</sub> : 42 mg/l/24 h.

Further ecologic data : Do not allow to enter waters, waste water, or soil.

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**13. DISPOSAL METHOD :** Chemicals must be disposed of in compliance with the respective national regulations. Under [www.retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

Nice product packaging must be disposed of in compliance with the county-specific regulations or must be passed to a packaging return system. Under



# SAFETY DATA SHEET

www. Retrologistik.de you will find special information on the respective national conditions as well as contact partners.

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## 14. TRANSPORT INFORMATION :

|                  |   |                       |
|------------------|---|-----------------------|
| Land transport   | : | GGVS, GGVE, ADR,RID   |
| Classification   | : | 4.1/6 c               |
| Name             | : | 2213 PARAFORMALDEHYDE |
| Transport by sea | : | IMDG, GGVE            |
| Classification   | : | 4.1/UN 2213/PG 111    |
| Ems              | : | 4.1-0                 |
| Mfag             | : | 300                   |
| Name             | : | PARAFORMALDEHYDE      |
| Transport by air | : | ICAO, IATA            |
| Classification   | : | 4.1/UN 2213/PG 111    |
| Name             | : | PARAFORMALDEHYDE      |

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## 15. REGULATORY INFORMATION :

Labelling according to EC Directives

|           |   |               |  |
|-----------|---|---------------|--|
| Symbol    | : | Xn            | Harmful  |
| R-phrases | : | 22-4-41-50/53 | Harmful by inhalation and if swallowed. Irritating to eyes, respiratory system & skin. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. |
| S-phrase  | : | 16-26-29-33   | Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing and gloves.           |

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## 16. OTHER INFORMATION

Change in labelling.  
Change/ addition in the chapter 8. Specific control parameter.  
Change in the chapter on first aid measures.

General update.

Regional representation :

This information is given on the authorised Safety Data Sheet for your country.

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.