



Technical Data Sheet (TDS)

Product: Paraformaldehyde - Prills



Original Issue: 01/26.06.2017 | Current Issue: 4/31.10.2020
Document Reference: BFPL-IMS-LAB-TDS-1

REGISTERED OFFICE:

302, Devarc Commercial Complex,
Nr.ISKCON Cross Roads, S.G. Road,
Ahmedabad - 380015 Gujarat, India

MANUFACTURING UNITS

- Ahmedabad (Gujarat)
- Mumbai (Maharashtra)

DOMESTIC MARKETING

marketing@balajiformalin.com | +91 7700918318

INTERNATIONAL MARKETING

exports.bfpl@burakiagroup.com | +91 8511850255

Product Description

Paraformaldehyde is a white, solid polymer of formaldehyde with the pungent, characteristic formaldehyde odour. Paraformaldehyde is composed of varying molecular weight polymers of polyoxymethylene glycols. The combined water is the terminating agent for the paraformaldehyde chains. Paraformaldehyde is slightly soluble in alcohols and insoluble in ethers, hydrocarbons and carbon tetrachloride. It is relatively insoluble in cold water, but soluble in hot water with depolymerization. The solubility and rate of solution of paraformaldehyde in water are greatly influenced by pH and temperature. Both acidic and alkaline pHs and higher temperatures accelerate the rate of solution. Once dissolved, the paraformaldehyde solution behaves like the methanol-free formaldehyde solution of the same concentration. Paraformaldehyde reacts chemically as formaldehyde at a rate determined by its rate of depolymerization under the conditions of use.

Specifications

Paraformaldehyde content (Assay)	91%±1% / 96%±1%
Acidity (as a formic acid)	<0.03%
Reactivity	<15 min
Iron %	< 0.001
Ash %	0.03% Max
Mean particle size	100-500 µm (Min -90%)

Typical Properties

Appearance	Free flowing Prills
Methanol	<0.5
pH (10% solution)	5 - 8
Bulk density	700-850kg/m ³
Flammability	Flash point 93°C (tag open cup)
Melting point	120-175°C
Water content	9%±1% / 4%±1%

Shipping

UN/NA Number:	UN2213
Proper Shipping Name	Paraformaldehyde
Hazard class	4.1
Packing Group	III
Reportable Quantity (RQ)	1000lb/454kg
Emergency Resp. Guide	133

REGISTERED OFFICE:

302, Devarc Commercial Complex,
Nr.ISKCON Cross Roads, S.G. Road,
Ahmedabad - 380015 Gujarat, India

MANUFACTURING UNITS

- Ahmedabad (Gujarat)
- Mumbai (Maharashtra)

DOMESTIC MARKETING

marketing@balajiformalin.com | +91 7700918318

INTERNATIONAL MARKETING

exports.bfpl@burakiagroup.com | +91 8511850255

Uses

- Manufacturing of coating resins
- Manufacturing of Foundry resin
- Urea Formaldehyde / Melamine Formaldehyde / Paraformaldehyde Resin manufacturing
- Foundry Resin
- Oil Drilling Chemicals
- Disinfectants, insecticides and pesticides industry
- Dyestuffs and special plasticisers
- Ion exchange Resins
- Embalming preparations
- Friction dust Industry
- Formaldehyde substitute.
- Active Pharma Ingredients (API) Manufacturing

Handling

The NPFA Hazardous Materials Identification System rating for regular Paraformaldehyde Prills is: **Health Hazard - 3; Flammability - 2; Instability - 1.**

- **Advice on safe handling**

Use adequate ventilation. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not breathe vapours/dust. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing. Refill and handle product only in closed system. Provide sufficient air exchange and/or exhaust in work rooms.

- **Incompatible products**

Keep away from: Acids, Bases, amines, oxygen, oxidizing agents, reducing agents

- **Protection - fire and explosion:**

Keep away from sources of ignition - No smoking. Vapours are heavier than air and may spread along floors. Take necessary action to avoid static electricity discharge. Ground and bond containers when transferring material. In case of fire, emergency cooling with water spray should be available.

Storage

- **Material storage**

Store locked up. Keep in a dry, cool and well-ventilated place. Keep container closed.

- **Incompatible products**

Keep away from: Acids, Bases, amines, oxygen, oxidizing agents, reducing agents

- **Technical measures/Storage conditions**

Keep tightly closed in a dry, cool and well-ventilated place. Handle an open container with care. Store under Nitrogen.

All information and data, including the formulations and procedures discussed herein, are believed to be correct. However, this should not be accepted as a guarantee of their accuracy, and confirming tests should be run in your laboratory or plant. No statement should be construed as a recommendation for any use which would violate any patent rights. Sales of all products are pursuant to terms and conditions included in Balaji Formalin Pvt Ltd sales documents. Nothing contained therein shall constitute a guarantee or warranty with respect to the products described or their use. Safety information regarding these products is contained in their Material Safety Data Sheets. Users of these products are urged to review and use this information.

REGISTERED OFFICE:

302, Devarc Commercial Complex,
Nr.ISKCON Cross Roads, S.G. Road,
Ahmedabad - 380015 Gujarat, India

MANUFACTURING UNITS

- Ahmedabad (Gujarat)
- Mumbai (Maharashtra)

DOMESTIC MARKETING

marketing@balajiformalin.com | +91 7700918318

INTERNATIONAL MARKETING

exports.bfpl@burakiagroup.com | +91 8511850255