

Technical Data Sheet

Paraformaldehyde 92% Prilled · CAS 30525-89-4 · $(CH_2O)_n$

TECHNICAL DATA SHEET (DRAFT) - Paraformaldehyde 92% Prilled

Product Overview

Paraformaldehyde 92% Prills is a high-molecular-weight polymer of formaldehyde. It serves as a convenient and efficient reagent for reactions requiring formaldehyde in a solid, low-water state.

Chemical Properties

- CAS Number: 30525-89-4
- Empirical Formula: $(CH_2O)_n$
- Appearance: White Spherical Prills

Technical Specifications

- Assay (as CH_2O): 91.0% - 93.0%
- Moisture (Karl Fischer): 7.0% Max
- Ash Content: 0.05% Max
- Iron (Fe): 0.001% Max
- Alkalinity (as NaOH): 0.04% Max
- pH (10% Solution): 3.5 - 5.0

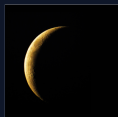
Solubility Characteristics

Depolymerizes upon heating to release monomeric formaldehyde. Solubility is enhanced in the presence of trace amounts of acids or bases and by increasing temperature (above 60°C).

Regulatory Information

- UN Number: 2213
- Class: 4.1 (Flammable Solid)
- Packing Group: III

(Disclaimer: Specifications are typical values; please refer to the Batch COA for actual results.)



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EMAIL

info@themoonarc.com

WEBSITE

themoonarc.com

INSTAGRAM

instagram.com/themoonarcfzco

Global offices

UNITED ARAB EMIRATES

The Moonarc FZCO

101, A2 Building, IFZA Dubai Silicon Oasis, Dubai. P.O
Box 342001

INDIA

Moon Arc

B-39 1st Floor, DDA Shed, Okhla Phase II, New
Delhi-110020

UZBEKISTAN

Lunar Kimyo Impeks

Samarkand, Uzbekistan

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info@themoonarc.com • themoonarc.com