

Technical Data Sheet

Sodium Methoxide · CAS 124-41-4 · CH₃ONa

TECHNICAL DATA SHEET (DRAFT) - Sodium Methoxide 99% (Solid)

PRODUCT DESCRIPTION

Sodium Methoxide is an alcoholate produced by the reaction of methanol with sodium. It is a strong base and an effective nucleophile.

CHEMICAL PROPERTIES

- Formula: CH₃ONa
- Appearance: White powder
- CAS No: 124-41-4

SPECIFICATIONS

- Assay (CH₃ONa): "e 99.0 %
- Free Alkali (as NaOH): "d 0.5 %
- Sodium Carbonate (Na₂CO₃): "d 0.1 %
- Free Methanol: "d 0.5 %

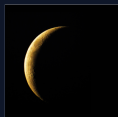
PHYSICAL PARAMETERS

- Bulk Density: ~0.5 - 0.6 g/cm³
- Melting Point: Decomposes above 300°C
- Solubility: Reacts violently with water; soluble in methanol and ethanol.

APPLICATIONS

Primarily used as a catalyst in biodiesel production to facilitate transesterification and as a reagent in the synthesis of pharmaceuticals, fragrances, and crop protection chemicals.

(Note: Data provided for informational purposes. Batch-specific COA available upon request.)



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