



# RXSOL

CHEMO PHARMA INTERNATIONAL

## Technical Data Sheet (TDS)

**RXSOL-19-1621-025**  
SODIUM METHOXIDE 30% SOLUTION

Description :

### Chemical Properties

Formula	CH <sub>3</sub> ONa
Melting point	<6°
Formula Weight	54.02
Boiling Point	93°C
Density	0.969
Sol Note : ubility	Miscible with ethanol, fats and esters. Immiscible with hydrocarbons and organic solvents.
Storage & Sensitivity	Moisture Sensitive. Air Sensitive. Store under Nitrogen. Ambient temperatures.

### Application :

Sodium Methoxide, 30% w/w in methanol is used in the preparation of high-spin hexanuclear Mn(III) cluster, [NaMn<sub>6</sub>(OMe)<sub>12</sub>(dbm)<sub>6</sub>]<sup>+</sup>. It is useful in the synthesis of pharmaceuticals and agrochemicals. It serves as an initiator of anionic addition polymerization with ethylene oxide, forming a polyether with high molecular weight.

### Specification

1	MATERIAL	Sodium Methylate solution in Methanol
2	CHEMICAL FORMULA	CH <sub>3</sub> ONa:2.333CH <sub>3</sub> OH
3	STATE	Liquid
4	COLOUR	Colourless to water white
5	ODOUR	Peculiar Sweet smell having some sort of Methanolic tint
6	CLARITY	Clear to slightly turbid with slight haziness, which settles on long standing
7	STRENGTH (CONCENTRATION)	Minimum 30% (W/W)
8	BOILING POINT	90°C (Approximately)
9	CH <sub>3</sub> ONa (100% REAL) CONTENT/BARREL	54.00 (± 0.500) kgs / Barrel (180.000 kgs/Barrel)
10	CH <sub>3</sub> ONa:2.333CH <sub>3</sub> OH (30%W/W) CONTENT/BARREL	180.000 Kgs/Barrel

11	CH <sub>3</sub> OH (VIRGIN) CONTENT/BARREL	126.00 Kgs/Barrel
13	PURITY OF CH <sub>3</sub> ONa	99.00 % W/W (Minimum) 99.50 % W/W (Maximum)
14	CAUSTIC CONTENT (as NaOH)	00.50 % W/W (Maximum)
15	CARBONATE CONTENT (as Na <sub>2</sub> CO <sub>3</sub> )	00.10 % W/W (Maximum)
16	MOISTURE CONTENT (as H <sub>2</sub> O)(Theoretical value)	00.50 % W/W (Maximum)
17	pH	Highly Alkaline
18	NOTE	Colour shown by the solution except water-white colour is solely due to packaging material.
19	TESTING STANDARDS	We follow the Testing Standards and Methods set out by the reputed Multinational Companies. For synchronization of Testing results we provide our testing methods or we shall welcome YOUR Specifications and Testing Methods.
20	COMPOSITION PER BARREL 1. CH <sub>3</sub> ONa (100% REAL) 2. CH <sub>3</sub> OH (VIRGIN) 3. CH <sub>3</sub> ONa:2.3333CH <sub>3</sub> OH	54.00 Kgs 126.00 Kgs 180.00 Kgs.

**Note :**

Air, moisture and heat sensitive. Incompatible with acids, acid chlorides, acid anhydrides, oxidizing agents, alkali metals, chlorinated solvents, water and reducing agents.

**GHS Hazard and Precautionary Statements**

**Hazard Statements:**

H226-H290-H301+H311+H331-H314-H370

Flammable liquid and vapour. May be corrosive to metals. Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes severe skin burns and eye damage. Causes damage to organs.

**Precautionary Statements:**

P241-P242-P264b-P270-P271-P280-P304+P340-P305+P351+P338-P310-P330-P331-P363-P370+P378r-P390-P402-P403+P233-P405-P406b-P501c

Use explosion-proof electrical/ventilating/lighting/ equipment. Use only non-sparking tools. Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. Wash contaminated clothing before reuse. In case of fire: Absorb spillage to prevent material damage. Store in a dry place. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosive resistant polypropylene container with a resistant inliner Dispose of contents/ container to an approved waste disposal plant

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