



Specialized in chemicals

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Technical Data Sheet

Sodium methoxide

Product Information

Chemical Name	Sodium methoxide
CAS #	124-41-4
Formula	CH ₃ NaO
Molecular Weight	54.02
Synonyms	Sodium methylate,sodium methanolate
Chemical Structure	



Description

It is white nonfixiform easy flow powder. It is easy to react with oxygen.

It will decompose into methanol and sodium hydroxide when meet moisture or water.

It will decompose in the air if the temperature is more than 126

It is soluble in methanol and ethanol and insoluble in benzene and toluene.

Physical Properties

Melting point, °C .	127°C
Water soluble	reacts

Specification

Items	Specification
Appearance	White powder
Content(total alkali),%	≥99.0
Sodium methylate(NaOCH ₃),%	≥97.0
Sodium Hydroxide,%	≤1.5
Sodium carbonate,%	≤0.3
Moisture,%	≤0.65

Items	Specification
Appearance	Clear liquid
Purity,%	≥29.5~31.0
Sodium Methoxide,%	≥28.9~31.0
Free alkali,%	≤0.5
Na ₂ CO ₃ ,%	≤0.1
Moisture,%	≤0.2
Methanol,%	≤70

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

It is mainly used in the production of vitamin A1, B1, sulphadoxine, sulfadiazine, trimethoprim and other pharmaceutical industry.

It can also be used in biodiesel industry.

Besides, it can be used as edible catalyst and analytical reagent.

Packaging

Solid:

Mouth opened steel drum: 100~120kg/drum(10~12bags/drum,10kg/bag)
80drums/20"container(20pallets per container)

Liquid:

ISO Tank: 20~22.5mt/tank
IBC: 950kg/IBC;19mt/20"container
Steel drum: 200kg/drum;80drums/20"container

Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.

Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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