



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

Solid:

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

Liquid:

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 steal 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

It should be stored in cool and dry warehouse.It should be kept away from flame,heat resource, antioxidant,acids and stored and transported isolatedly. Light handling and discharge.

Keep packing complete.

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

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