



Specialized in chemicals

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Material Safety Data Sheet

Sodium methoxide powder

Section 1: Chemical Product and Company Identification

Molecular formula: CH₃NaO

CAS Nr: 124-41-4

Molecular weight: 54.024

Synonyms: Sodium methylate powder, Sodium methanolate

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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	%By Weight
Sodium methoxide powder	124-41-4	100

Section 3: Hazards Identification

It is an organic alkaline erode product,with highly moisture-absorbing.
It is a strong chemical reaction activity. Spontaneous combustion will happen in damp air.
It will release hydrogen and a great quantity of heat or fire even explode once meeting the water or moist air.
Exposing in air can suase spontaneous combustion even explode.Once meet with the halogens, phosphorous, oxide and acid,it can fire with purple flame.

Section 4: First Aid Measures

Skin touch:Take off the polluted clothes,and wash with lots of water,and see a doctor.
Eyetch:Lift the eyelid, and wash with lots of water, and see a doctor.
Inhalation:To escapefrom the locale to the fresh air,if he hasa hard breath, offer oxygen.
Ingestion:Gargle with water,see a doctor soon.

Section 5: Fire and Explosion Data

It is forbideen to use water,halogen, sodium bicarbonate, potassium bicarbonate. But graphite sodium chloride,sodium carbonate, calcium carbonate or sand is suit for fire.

Section 6: Accidental Release Measures

Isolating divulge contaminated area, limiting in and out,cutting off fire sources.The operators should wear inspirator and in protection clothes.Don not directly touch the divulged matter. When a little leak,aoid dusting,and collect in a dry clean vessel with a lid. The metal vessel should in kerosine or wax.
When a lot leak,cover with plastic cloth and sailcloth,and diminish scatter.

Section 7: Handling and Storage

Protect the body from injure.Isolate the heat sources,flame and sparkle.Keep far away from the fire. Store in a cold and dry storeroom. keep off the sunshine and fire-hidden danger.Store in a sealed vessel (with nitrogen in if possible). The rule on transport must be ground connection to avoid static electricity and sparkle.The product must be operated far aways with fire sources and heat sources. And it is forbidden to smoke in the work place. It is forbidden to use the equipment and tools which are easy to cause spark.Avoid eye, skin touch.
Using in the ventilated cupboard, keep off pressurizing, segment, welding, soldering,drilling, polish or expose the vacant vessel to heat and fire source or sparkle.
The carried vessel of the sodium methylate may be dangerous even vacant.

Section 8: Exposure Controls/Personal Protection

Therespiratory protect:In particular conditions, the operator should wear filtered gas mask.
Eyesprotect:With mask.
Bodyprotect:With chemical defence clothes.
Handprotect:With rubber gloves.
Other: It is forbidden to smoke in the work place.

Section 9: Physical and Chemical Properties

State:Solid

Appearance:Whitelike Particles

PH value:Alkalinity

Steamdensity(air=1):nonsense

Boiling point:about 270°C

Solution:dissolve in ethanol

Section 10: Stability and Reactivity Data

Fobidden to near: heat,flame, fire,air,sunshine

Avoid to touch:moist air, high temperature,static electricity

Section 11: Toxicological Information

Peracutetotoxicity: LD507300mg/kg(in bowels of rat)

Section 12: Ecological Information

Influence on environment: The substance will not organic decompose in environment and water,only link into groundwater,and slowly vaporize.No obvious organic heap.

Section 13: Disposal Considerations

Any substance that can not be recycled should handle as baneful substance.Handle must under the approbation of RCRA. All countries or zones have different regulation on it.

Deal with vesseland discard that carried it should in accordance with the rule of states.

Section 14: Transport Information

Domestic: load(D.O.T)

International:by sea(L. M .O)

UN code:1431

Danger grade:Grade 4.2, 8

PackageGrade: II

Package:zinc-plated bucket or high strenghen plastic bucket.

When transport on railway or by sea, the allocationofcargo should be in accordance with

《The rules of dangerous goods transportance》 issued by the Railway Department. The package should be whole and the loading should be safe at the beginning of delivery. During transportance, it should be assured that the container will not leak , collapse ,falling and be mangled.

It is stictly forbidden to mixture with acid,hydrochloric ether and edible chemicals. The vehicles should be equipped with corresponding kinds and amount fire apparatus and other facilities may be used when meet an emergency.

Section 15: Other Regulatory Information

The regulation on chemical dangerous articles(issued by the State Council in Feb.17th,1987),and the detailed rules and regulations on chemical dangerous articles (1992No.667) stipulate on the use ,production,store,transport,and load & unload.

Section 16: Other Information

It is pungent to eyes, noses, throats and lung. Once touch, it will cause sneeze, cough,laryngitis. High denisty suck can cause pulmonary edema.It is strong corrosiveness to skin and eye,even burn.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we m be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.