

MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION

Product Number ND009

Product Name Sodium Methoxide 0.02 Normal in n-Butanol

Trade /Chemical Synonyms

Formula Not Applicable

RTECS EO1400000

C.A.S. # See below

Health: 2

Flammability: 3

Reactivity: 0

Hazard Rating:
Least Slight Moderate High Extreme
0 1 2 3 4

NA = Not Applicable NE = Not Established

SECTION 7 HANDLING AND STORAGE

Store away from heat. Containers should meet bonding and grounding guidelines.
Store away from incompatible substances

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation: Local Exhaust ☒ Protective Gloves: NIOSH Approved Gloves
Mechanical ☒

Eye Protection: Goggles and Face Shield

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 2 MIXTURE COMPONENTS

Sara 313	Component	CAS Number	%	Dim.	Exposure Limits:
<input checked="" type="checkbox"/>	n-Butyl Alcohol (1-Butanol)	CAS# 71-36-3	Balance	V/V	OSHA Ceiling 50 ppm (150 mg/h (skin)
<input type="checkbox"/>	Sodium Methoxide 25% w/w Solution in Methanol	CAS# 124-41-4	0.4 - 0.5	W/V	

SECTION 3 HAZARD IDENTIFICATION (SEE ALSO SECTION 11)

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SECTION 4 FIRST AID MEASURES

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Alcohol Resistant Foam, Carbon Dioxide, dry chemical or water spray

Fire / Explosion Hazards: Dangerous fire hazard when exposed to heat or flame. Vapor may travel considerable distance to source of ignition and flash back.

Fire Fighting Procedure:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area of leak or spill. Wear protective equipment. Clean up in a manner that doesn't disperse dust.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	~-89°C	Percent Volatile by Volume:	> 99
Boiling Point:	~117°C	Evaporation Rate:	0.5
Vapor Pressure:	~6.5 mm Hg	Evaporation Standard:	Butylacetate = 1
Vapor Density:	~2.55	Auto Ignition Temp:	~343°C
Solubility in Water:	Soluble	Lower Flamm. Limit in Air:	~1.4%
Appearance /Odors:	Clear, colorless liquid, strong odor	Upper Flamm. Limit in Air:	~11.2%
Flash Point:	~37°C		
Specific Gravity:	~0.81		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: Avoid contact with incompatible materials.

Materials to Avoid: Alkali metals, Aluminum, T-Butanol, Chromic Anhydride, oxidizers, alcohols, plastics

Hazardous Decomposition Products: Oxides of carbon

Hazardous polymerization: Will Not Occur

Conditions to Avoid: None known

SECTION 11 ADDITIONAL INFORMATION

Inhalation may effect electrical activity of the brain, shortness of breath, coughing, fatigue, irritation of respiratory tract, pulmonary injury, vertigo, hearing loss. May irritate skin. Can be absorbed through the skin. Ingestion may cause abdominal pain, nausea, vomiting and diarrhea. High doses can cause complete paralysis, and death. Persons with pre-existing eye, skin, or respiratory conditions may be more susceptible

DOT Classification: Flammable liquid n.o.s. (Butanol), 3, UN1993, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

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