MATERIAL SAFETY DATA SHEET

PRODUCT #: 16499-2
CAS #: 124-41-4
MF: CH3NAD

SYNONYMS
SODIUM METHOXIDE * SODIUM METHYLATE (DOT) * SODIUM METHYLATE, DRY (DOT) * UN 1431 (DOT) *

TOXICITY HAZARDS

RTECS NO: PC3570000
METHANOL, SODIUM SALT
REVIEWS, STANDARDS, AND REGULATIONS
EPA TSCA CHEMICAL INVENTORY, 1986

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

ACUTE EFFECTS
HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
MATERIAL IS EXTREMELY Destructive TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN.
INHALATION MAY BE FATAL AS A RESULT OF SPASM, INFLAMMATION AND EDEMA OF THE LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

FIRST AID
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.
ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
CALL A PHYSICIAN.

PHYSICAL DATA

MELTING PT: >300 C
VAPOR DENSITY: 1.1
VAPOR PRESSURE: 50 MM Hg 20 C
96 MM Hg 25 C

APPEARANCE AND ODOR
WHITE POWDER

CONTINUED ON NEXT PAGE
PRODUCT #: 16499-2  
CAS #: 124-41-4  
MF: CH3NO

NAME: SODIUM METHOXIDE, POWDER, 95%

FIRE AND EXPLOSION HAZARD DATA

AUTOIGNITION TEMPERATURE: 851 F
LOWER EXPLOSION LEVEL: 7.3%
UPPER EXPLOSION LEVEL: 36%

EXTINGUISHING MEDIA
DRY CHEMICAL POWDER.
DO NOT USE WATER.

SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
FLAMMABLE SOLID.

UNUSUAL FIRE AND EXPLOSION HAZARDS
THIS MATERIAL, LIKE MOST MATERIALS IN POWDER FORM, IS CAPABLE OF CREATING A DUST EXPLOSION.
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

COMPATIBILITY

CHLORINATED SOLVENTS
MAY DECOMPOSE ON EXPOSURE TO MOIST AIR OR WATER.

REACTS VIOLENTLY WITH:
ACIDS
WATER

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
EVACUATE AREA.
SHUT OFF ALL SOURCES OF IGNITION.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
WEAR DISPOSABLE COVERALLS AND DISCARD THEM AFTER USE.
COVER WITH DRY-LIME, SAND, OR SODA ASH, PLACE IN COVERED CONTAINERS USING NON-SPARKING TOOLS AND TRANSPORT OUTDOORS.
AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD
BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE.

OBserve ALL FEDERAL, STATE, AND LOCAL LAWS.

-- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE --

CHEMICAL SAFETY GOGGLES.

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MATERIAL SAFETY DATA SHEET

PRODUCT #: 16499-2
CAS #: 124-41-4
MF: CH3OH

NAME: SODIUM METHOXIDE, POWDER, 95%

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

LONG RUBBER OR NEOPRENE GAUNTLET GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
USE ONLY IN A CHEMICAL FUME HOOD.
USE NONSPARKING TOOLS.
DO NOT BREATHE DUST.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
CORROSIVE.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.
MOISTURE SENSITIVE.
STORE IN A COOL DRY PLACE.

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Belgium
Aldrich Chemie N.V./S.A.
B-1100 Brussels
Telephone: (02) 288070
Telex: 82892 Aldri B
Fax: (02) 288078

France
Aldrich-Chemie S.A.
27, Rond des Tours
F-67061 Strasbourg Cedex
Telephone: (88) 397010
Telex: 80015 Aldri F
Fax: (88) 773283

Italy
Aldrich-Chemie Srl
Via Pietro Towell, 4
20127 Milano
Telephone: (02) 861000
Telex: 333824 ASI191
Fax: (02) 268281

Japan
Aldrich Japan
Kyoji Bldg., 2-1-1 Akasaka
15-Kanda-Muraburo
Chiyoda-ku, Tokyo
Telephone: (03) 2281100
Telex: 0759197
Fax: (03) 228105

United Kingdom
Aldrich Chemical Co. Ltd
The Old Rectory, New Road
Sutton Coldfield, West Midlands
Telephone: 0121 351 5611
Telex: 41730 ASI19 G
Fax: (0121) 351 777

West Germany
Aldrich-Chemie GmbH & Co. KG
D-4000 Dusseldorf
Telephone: (0211) 84940
Telex: 71408 ASI G
Fax: (0211) 87119