



Material Safety Data Sheet
Potassium Hydroxide 0.1-1.0N in Methanol

Section 1 - Chemical Product and Company Identification

MSDS Name:

Potassium Hydroxide 0.1-1.0N in Methanol

Catalog Numbers:

LC19500, LC19520, LC19540

Synonyms:

Alcoholicpotassiumhydroxidesolutions

Company Identification:

LabChem, Inc.
 200 William Pitt Way
 Pittsburgh, PA 15238

Company Phone Number:

(412) 826-5230

Emergency Phone Number:

(800) 424-9300

CHEMTREC Phone Number:

(800) 424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
67-56-1	Methyl alcohol	balance
1310-58-3	Potassium hydroxide	0.56-5.6

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Colorless

Warning! May cause severe eye and skin irritation with possible burns. May cause blindness if swallowed. Flash Point: 52°F.

Target Organs: Noneknown.

Potential Health Effects**Eye:**

Maycausesevere painandburns.

Skin:

Prolongedand/orrepeatedcontactmaycausedefattingoftheskinanddermatitis.Maycausesevereskinirritationand burns.



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Ingestion:

May be fatal or cause blindness if swallowed. Kidney and liver damage may occur with possible heart or respiratory failure to coma and death. Kidney failure can occur in non-fatal cases.

Inhalation:

Inhalation or ingestion causes narcotic intoxication leading to headache, cramps, severe pain and blindness.

Chronic:

Prolonged or repeated eye contact may cause conjunctivitis. Repeated skin contact may cause dermatitis and burns. Methanol -- blurred or painful vision, conjunctivitis; possible mutagenic or reproductive effects.

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once.

Skin:

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

Ingestion:

Get medical aid at once. Give oxygen if respiration is depressed.

Inhalation:

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

Vapors heavier than air, may travel considerable distance and flashback from source of ignition. Move container if possible, avoid breathing vapors or dust. Flammable liquid is poisonous - wear respiratory gear. Use flooding quantities of water as fog (streams may spread fire), cool all containers. Dangerous fire/negligible explosion hazard when exposed to heat or flame. Hazardous reactions with strong oxidizers.

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Autoignition Temperature:

725°F (385.00°C)

Flash Point:

52°F (11.11°C)

NFPA Rating:

CAS # 67-56-1 health-1; flammability-3; reactivity-0
CAS# 1310-58-3: Not published.

Explosion Limits:

Lower: 6.7 Upper: 36



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Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Avoid runoff into storm sewers and ditches which lead to waterways. Contain if possible, absorb with sand or inert absorbent, scoop into labeled disposal container. Shut off ignition source, avoid vapors. Isolate, ventilate spill area. Label reclaimed spill material as flammable.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with heat, sparks and flame.

Storage:

Store capped at room temperature. Protect from heat and incompatibles. Do not store in unmarked containers.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use adequate general or local, explosion-proof ventilation to keep airborne levels to acceptable levels.

Exposure Limits

Chemical Name:	ACGIH	NIOSH	OSHA
Methyl alcohol	200 ppm TWA; 250 ppm STEL; skin - potential for cutaneous absorption	200 ppm TWA; 260 mg/m ³ TWA	200 ppm TWA; 260 mg/m ³ TWA;
Potassium hydroxide	None of the components are on this list.	2 mg/m ³ TWA	None of the components are on this list.

OSHA Vacated PELs

Methyl alcohol: 200 ppm TWA; 260 mg/m³ TWA
Methyl alcohol: 200 ppm TWA; 260 mg/m³ TWA

Personal Protective Equipment

Eyes:

Do not wear contact lenses when working with chemicals. A eyewash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

Skin:

Wear protective gloves (butyl, neoprene, nitrile).

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Use supplied air (SA) respirators or self-contained breathing apparatus (SCBA) at 2000 ppm; SA or SCBA with facepiece at 10,000 ppm; above 10,000 ppm use type C SAF in positive pressure/continuous flow mode; pos.press. SCBA for escape.



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Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Color: Colorless
Odor: Characteristic pungent alcohol odor
pH: Alkaline
Vapor Pressure: No information found.
Vapor Density: No information found.
Evaporation Rate: No information found.
Viscosity: No information found.
Boiling Point: No information found.
Freezing/Melting Point: No information found.
Decomposition Temperature: No information found.
Solubility in water: Soluble.
Specific Gravity/Density: 1.0
Molecular Formula: No information found.
Molecular Weight: No information found.

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures up to boiling point.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials

Oxidizing materials, chromic anhydride, acids, violent or explosive reactions have been reported.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, formaldehyde, potassium oxide (toxic).

Hazardous Polymerization

Has not been reported

Section 11 - Toxicological Information

RTECS:

CAS# 67-56-1: PC1400000.

CAS# 1310-58-3: TT2100000.



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LD50/LC50:

CAS# 67-56-1:

Inhalation, rat: LC50 = 64000 ppm/4H

Oral, mouse: LD50 = 7300 mg/kg

Oral, rabbit: LD50 = 14200 mg/kg

Oral, rat: LD50 = 5628 mg/kg

Skin, rabbit: LD50 = 15800 mg/kg.

CAS# 1310-58-3:

Oral, rat: LD50 = 273 mg/kg.

Carcinogenicity:

CAS# 67-56-1: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 1310-58-3: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

Methanol -- eye, skin, and mucous membrane irritant; central nervous system depressant.

Teratogenicity:

Reproductive:

Mutagenicity:

Neurotoxicity:

Section 12 - Ecological Information

No information found.

Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: <1% KOH
Flammable liquid, n.o.s.
(Methanol)

Hazard Class: 3

UN Number: UN1993

Packing Group: PG II

>1% KOH
Flammable liquids, Corrosive, n.o.s.
(Methanol, Potassium hydroxide)

3

UN2924

PGII

Section 15 - Regulatory Information

US Federal

TSCA

CAS#67-56-1 is listed on the TSCA Inventory.

CAS#1310-58-3 is listed on the TSCA Inventory.



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SARA Reportable Quantities (RQ)

CAS#67-56-1:finalRQ=5000pounds(2270kg)
CAS#1310-58-3:finalRQ=1000pounds(454kg)

CERCLA/SARA Section 313

This material contains Methyl alcohol (CAS#67-56-1, balance%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

OSHA - Highly Hazardous

None of the components are on this list.

US State

State Right to Know

Methyl alcohol can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.
Potassium hydroxide can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

California Regulations

European/International Regulations

Canadian DSL/NDSL

CAS# 67-56-1 is listed on Canada's DSL List.
CAS# 1310-58-3 is listed on Canada's DSL List.

Canada Ingredient Disclosure List

CAS# 67-56-1 is listed on Canada's Ingredient Disclosure List.
CAS# 1310-58-3 is listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: October 21, 1997
Revision Date: September 16, 2008

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