

Emergency Phone Number (24 hours) CHEMTREC (800-424-9300)
Outside US: 703-527-3887

SECTION 1

CHEMICAL IDENTIFICATION OF THE SUBSTANCE/PREPARATION

PRODUCT NAME: Organic Calibration Standard: 2000 µg/ml each of Bromodichloromethane, Bromoform, Chloroform, Dibromochloromethane chloride, all in Methanol
COMMON NAME OR SYNONYMS: Methanol, Carbinol, Methyl Alcohol, wood alcohol
SPEX CATALOG NUMBER: THM-XH

Manufacturer/Supplier
SPEX CERTIPREP
203 Norcross Avenue
Metuchen, NJ 08840

SPEX CERTIPREP LTD
2 Dalston Gardens
Stanmore, Middlesex HA7 1BQ
England
Tel: (0) 20 8204 6656

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS MATERIAL:	%	TLV UNITS	CAS #	EINECS
CH ₃ OH	~99	200 ppm TWA	[67-56-1]	(200-659-6)

SECTION 3

HAZARD IDENTIFICATION

Warning. Poison. May cause cancer (depending on level and duration of exposure.) May cause blindness or death in swallowed. Harmful by inhalation or absorption through skin. Irritating to the eyes and skin and respiratory tract. Affects central nervous system and liver

SECTION 4

FIRST AID MEASURES

General: Remove contaminated clothing, wash thoroughly before reuse.
Eyes: Flush with water for at least 15 minutes occasionally lifting upper and lower eyelids.
Skin: Remove contaminated clothing and flush with water thoroughly.
Inhalation: Move to fresh air. Get medical attention immediately.
Ingestion: Get immediate medical attention immediately. If the patient is conscious, give large quantities of water. Do not induce vomiting.

SECTION 5

FIRE FIGHTING MEASURES

Flash Point: 12C (54F) CC
Extinguishing media: Carbon Dioxide, foam or Dry Chemical.

Special Hazards and Procedure: Combustion by-products include phosgene and hydrogen chloride gases.

Protective Equipment: Wear self-contained breathing apparatus and full protective suit.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Ventilate area. Wear protective equipment. Do not allow to enter drainage systems or water ways. Neutralize with soda ash, limestone etc. Wipe up and put into a sealed container for proper disposal. Wash spill site with water after material pick up is complete. Wear chemical resistant glasses, gloves and clothing.

SECTION 7

HANDLING & STORAGE

Ensure good ventilation/exhaustion at work place. Have an immediate availability of an eye wash in case of emergency. Store at room temperature. Keep the container tightly closed.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA Permissible Exposure Limit (PEL): 200 ppm (TWA); STEL 250 ppm (skin).
Wear goggles, protective apron and acid resistant gloves. Use under fume hood. If exposure limit is exceeded, use MSHA/NIOSH approved respirator.

SECTION 9

PHYSICAL & CHEMICAL PROPERTIES

Form:	Liquid
Appearance & odor:	Transparent with characteristic odor
% volatiles by vol. @ 21C:	100
Solubility:	1.32 gm/100 gm water @20C
pH:	No information found
Melting point:	-98C
Boiling Point:	64.5C
Vapor Pressure (mm Hg):	97 @ 20C

SECTION 10

STABILITY & REACTIVITY

Stability: Stable under normal storage and use.
Incompatibilities: Strong oxidizers such as Nitrates, perchlorates and Sulfuric acid. Will attack some forms of plastic, rubber and coatings. May react with metallic aluminum and generate hydrogen gas.
Hazardous Decomposition Products: May form carbon dioxide, carbon monoxide and formaldehyde when heated to decomposition.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Heat, Flames, ignition sources and incompatibles.

THM-XH Cont'd

SECTION 11
TOXICOLOGICAL INFORMATION

A human poison by ingestion. Moderately toxic by intravenous and intraperitoneal routes. Mildly toxic by inhalation. A Narcotic.

TOXICITY DATA:

Concentrated CH₃OH —RTECS#-PC1400000
orl-rat LD50: 5628 mg/kg

SECTION 12
ECOLOGICAL INFORMATION

Do not allow product to reach ground water, water bodies or sewage system.

SECTION 13
DISPOSAL CONSIDERATIONS

Contact local Hazardous or Chemical waste disposal agency for regulations.

SECTION 14
TRANSPORT INFORMATION

Air:

CLASS 3, 6.1
UN/ID # 1230
Packing Group: II
Proper Shipping Name: Methanol

Ground:

CLASS 3
UN/ID # 1230
Packing Group: II
Proper Shipping Name: Methanol

For inner package volumes of 30 mL or less (Not to exceed outer package volume of 29 kg):
UPS and/or Domestic Shipments, ship under the "Small Quantity" rule and attach label: "this package conforms to 49CFR..."

For inner package volumes of 1 mL or less (Not to exceed outer package volume of 500 mL):
FedEx and/or International Shipments: ship as "Excepted Quantity" attach "Excepted Quantity" label and specify UN number(s) and hazard class(es)

SECTION 15
REGULATORY INFORMATION

OSHA Hazards: Flammable Liquid, Target Organ Effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption, Irritant

TSCA Status: On TSCA Inventory

DSL Status: All components of this product are on the Canadian DSL list.

SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

Methanol CAS-No. 67-56-1 Revision Date 1987-01-01

SARA 311/312 Hazards: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components:

Methanol CAS-No. 67-56-1 Revision Date 1987-01-01

Pennsylvania Right To Know Components:

Methanol CAS-No. 67-56-1 Revision Date 1987-01-01

New Jersey Right To Know Components:

Methanol CAS-No. 67-56-1 Revision Date 1987-01-01

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

SECTION 16
OTHER INFORMATION

SPEX CERTIPREP ASSUMES NO RESPONSIBILITY AND MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO THE ACCURACY OR COMPLETENESS OF THE DATA CONTAINED HEREIN. INDICATED SAFETY MEASURES MAY NOT REFLECT ALL APPROPRIATE SAFETY MEASURES. SPEX CERTIPREP ASSUMES THAT ONLY QUALIFIED INDIVIDUALS, TRAINED AND FAMILIAR WITH PROCEDURES SUITABLE TO THIS PRODUCT, WILL HANDLE THIS PRODUCT.

References:

The Sigma/Aldrich Library of Chemical Safety Data, Ed.I, (1985)
Registry of Toxic Effects of Chemical Substances, 1981-82
Patty's Industrial Hygiene and Toxicology, 3rd Revised Edition, Vol. 2A, 1981
Threshold Limit Values and Biological Exposure Indices for 1988-89, ACGIH
Dangerous properties of Industrial Materials by N. Irving Sax and Richard J. Lewis, Sr. (Ninth Edition) *

Date: October 9, 2008