

Material Safety Data Sheet



Section 1. Chemical Product and Company Identification

Product Name Methanol	Product Code 40380-1
Manufacturer's Name StatLab Medical Products, Inc.	Emergency Telephone Number 800-424-9300
Address (Number, Street, City, State, and ZIP Code 407 Interchange st.	Telephone Number for Information 800-442-3573 x 2
McKinney Tx 75071	Date Prepared 3/19/2003 rev(11/06) Signature of Preparer (optional)

Section 2. Composition/Information on Ingredients

Component	CAS #	PEL/TLV	ACGIH TLV	Other Limits Recommended	Nominal Percent
Methanol	67-56-1	200 ppm			>99

Section 3. Hazards Identification

Emergency Overview

Potential Health Effects

Eye	Vapors will irritate the eyes. Liquid and mists will irritate and burn the eyes.
Skin	Brief contact may dry the skin. Prolonged or repeated contact may irritate the skin, causing dermatitis. Methanol may be absorbed through intact skin to producesystemic effects.
Ingestion	Can cause depression of central nervous system, nausea, vomiting, diarrhea.
Inhalation	Swallowing 100-250 ml of Methanol can be fatal. Swallowing lesser quantities can cause blindness, dizziness, headaches, or nausea. Absorption of of Methanol is rapid but excretion is slow, resulting in delayed effects of repeated exposure.
Chronic/Carcinogenicity	N/A
Teratology	N/A
Reproduction	N/A
Mutagenicity	N/A

Section 4. First Aid Measures

Eye	Eyes should be flushed with plenty of cool water for at least 15 minutes lifting the upper and lower eyelids. GET MEDICAL ATTENTION IMMEDIATELY.
Skin	Immediately flush affected area with plenty of cool water. Remove contaminated clothing and shoes; wash before reuse. GET MEDICAL ATTENTION if irritation persists after washing.
Ingestion	If victim is conscious, immediately induce vomiting by giving 2 glasses of water and sticking a finger down the throat. GET MEDICAL ATTENTION IMMEDIATELY. CALL A PHYSICIAN OR CHEMTREC (POISON CONTROL) IMMEDIATELY. After patient has vomited, have patient drink milk, water, solution of sodium bicarbonate in water (1 tsp./1 qt.). Do not give anything to an unconscious or convulsing person.

Material Safety Data Sheet



Product Name Methanol

Product Code 40380-1

Inhalation Immediately move victim to fresh air. If victim has stopped breathing, give artificial respiration, preferable mouth-to-mouth.
GET MEDICAL ATTENTION IMMEDIATELY.

All Other Means of Exposure CONTACT POISON CONTROL CENTER IMMEDIATELY. Be prepared to provide hazardous ingredient information from Section 2.

Section 5. Fire Fighting Measures

Flammable Properties	Flash Point	54° F	Method	
Flammable Limits	Lower	6.7	Upper	36
Autoignition Temperature		867° F		
NFPA Rating:	Health (1) Fire (3) Reactivity (0)			
Hazardous Combustion Products	N/A			
Extinguishing Media	Use water spray, dry chemical CO ₂ , or alcohol foam. Do not use direct water stream.			
Special Fire Fighting:	Fire fighters should wear self contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.			
Unusual Fire & Explosion Hazards:	Extinguish all nearby sources of ignition. This product may burn with a flame which is invisible in daylight. Mixtures with water and as little as 21% Methanol are flammable.			

Section 6. Accidental Release Measures

Spill/Leak Procedures	Wear protective equipment including rubber boots, rubber apron, and self-contained breathing apparatus in the pressure demand mode or a supplied-air respirator. If the spill or leak is small, a full face-piece air-purifying cartridge respirator equipped for organic vapors may be satisfactory. In any event, always wear eye protection. Extinguish all ignition sources and ensure that all approved handling equipment is electrically grounded. For small spills or drips, mop or wipe up and dispose of in D.O.T. approved waste containers. For large spills, contain by diking with soil or other non-combustible absorbent material, place residue in D.O.T. waste containers. Keep out of sewers, storm drains, surface waters and soil. Comply with all applicable government regulations on spill reporting, and handling and disposal of waste.
	Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

Material Safety Data Sheet

Product Name Methanol

Product Code 40380-1



Section 7. Handling and Storage

Handling/Storage/Usage Protect container against physical damage. Detached or outside storage is preferred. Inside storage should be in a NFPA approved flammable liquid storage cabinet. All ignition sources should be eliminated. Smoking should be prohibited in the storage and usage areas. Electrical installations should be in accordance with Article 501 of the National Electrical Code. NFPA 30, Flammable and Combustible Liquids Code, should be followed for all storage and handling. Frequent careful leakage inspection should be done. Automatic sprinkler system should be provided. Isolate from oxidizers, chemicals capable of spontaneous heating, materials reacting with air or moisture to liberate heat, ignition sources and explosives. Consult local fire codes for additional storage information. When contents are being transferred, the metallic container must be bonded to the receiving container and grounded to avoid static discharges. Never use pressure to empty. Replace closure securely after each opening. Keep material packaged in drums or bottles out of sun and away from heat. Remove closure carefully; internal pressure may be present. Keep closure on to prevent leakage. Container hazardous when empty. Since emptied containers retain residual product (vapors and liquids), all precautions described on this MSDS must be observed.

CAUTION: For manufacturing, processing, repackaging, or industrial use. Not for household use.

Section 8. Exposure Controls, Personal Protection

Engineering Controls Handle in the presence of adequate ventilation.

Respiratory Protection Approved local mechanical exhaust ventilation capable of maintaining emissions at the point of use below the PEL. Wear a NIOSH-approved self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator if use conditions generate vapors or mists. Approved air-purifying respirators may be used if sufficient oxygen is available.

Skin Protection Long-sleeved shirt, trousers, safety shoes, rubber gloves and rubber apron.

Eye Protection Chemical goggles unless a full face-piece respirator is also worn. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury.

Control Measures An eyewash and safety shower should be nearby and ready for use.

Material Safety Data Sheet

Product Name Methanol

Product Code 40380-1



Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent
Methyl Alcohol	67-56-1	200 ppm			99%

Section 9. Physical and Chemical Properties

Boiling Point	148-148.5°F	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	44.6 mm Hg @ 68°F	Melting Point	-144°F
Vapor Density (AIR = 1)	1.1	Evaporation rate (Butyl Acetate = 1)	
Solubility in Water	Complete	Physical State	
Appearance and Odor	Clear and colorless	Other	

Section 10. Stability and Reactivity

Chemical Stability	Stable.
Incompatibility	Heat, sparks and open flames. Strong oxidizing agents, aluminum, zinc, any metal that displaces hydrogen, certain plastics, rubbers, acids, and alkalis.
Hazardous Decomposition Products	N/A
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Section 12. Ecological Information

Section 13. Disposal Considerations

Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures. NOTE: Empty containers can have residues, gases and mists, and are subject to proper waste disposal, as above.

All recovered material should be packaged, labeled, transported, and disposed of, or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

Section 14. Transport Information

US DOT (domestic ground)	Methanol, 3, II, UN1230
IATA (air)	Methanol, 3, 6.1, II, UN1230
NOTE:	It is ultimately the shippers responsibility to make hazard class determination based on their best information available.

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Product Code 40380-1



Section 15. Regulatory Information

Section 16. Other Information

NFPA Rating: Health: 1 Flammability: 3 Reactivity 0 Special Key Note: None

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration to its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and STATLAB MEDICAL PRODUCTS, INC. assumes no legal responsibility or liability whatsoever resulting from its use.