

# Safety Data Sheet

## Section 1. Substance Identity and Company Contact Information

<b>Product Name</b>	Methanol	<b>Product Part Number(s)</b>	170671 and 190900
<b>Trade Name</b>	Methyl Alcohol	<b>Unit Size</b>	
<b>Company</b>	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		

**Emergency No. 1-800-424-9300 (Chemtrec).** Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

## Section 2. Hazards Identification

**Pictogram(s)**



<b>Signal Word</b>	Danger	
<b>Precautionary Statement(s)</b>	Toxic in contact with skin. Toxic if inhaled. Toxic if swallowed. Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility of the unborn child. Causes damage to organs.	
<b>Emergency Overview</b>	No data available	
<b>Target Organ(s)</b>	All organs	
<b>Potential Health Effects</b>	Eye:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Skin:	Take off immediately all contaminated clothing. Rinse skin with water/shower.
	Ingestion:	Immediately call a POISON CENTER or doctor/physician.
	Inhalation:	Remove person to fresh air and keep comfortable for breathing.
<b>Chronic Effects/ Carcinogenicity</b>	IARC:	No data available
	NTP:	No data available
	OSHA:	No data available
<b>Teratology (Birth Defects) Information</b>	No data available	
<b>Reproductive Information</b>	No data available	
<b>NFPA Ratings</b>	Health:	1
	Flammability:	3
	Reactivity:	0
	Special Notice Key:	No data available

<b>HMIS Rating</b>	Health:	No data available
	Flammability:	No data available
	Reactivity:	No data available
	Protective Equipment:	No data available

### Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Methyl Alcohol	65-56-1	99-100	No data available	No data available

### Section 4. First Aid Measures

<b>General Advice</b>	Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
<b>If Inhaled</b>	Move to fresh air. Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen.
<b>In Case of Skin Contact</b>	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or poison control center immediately. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.
<b>In Case of Eye Contact</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
<b>If Swallowed</b>	Call a physician or poison control center immediately. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Indication of Any Immediate Medical Attention and Special Treatment Needed</b>	Treat symptomatically. Symptoms may be delayed.

### Section 5. Fire-fighting Measures

<b>General Information</b>	Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out.
<b>Suitable Extinguishing Media</b>	Water spray, foam, dry powder or carbon dioxide. Avoid water in straight hose stream; will scatter and spread fire.
<b>Special Hazards Arising from the Substance or mixture</b>	Can be ignited easily and burns vigorously. Vapor from the solvent may accumulate in container headspace resulting in flammability hazard. Fire may produce irritating, corrosive and/or toxic gases.
<b>Advice for Firefighters</b>	Static charges generated by emptying package in or near flammable vapor may cause flash fire. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Withdraw immediately in case of rising sou
<b>Flash Point</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Further Information</b>	No data available

## Section 6. Accidental Release Measures

<b>Personal Precautions, Protective Equipment, and Emergency Procedures</b>	Use personal protective equipment. Keep unauthorized personnel away. Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the SDS for Personal Protective Equipment.
<b>Environmental Precautions</b>	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground
<b>Methods and Materials for Containment and Cleaning</b>	Eliminate all ignition sources if safe to do so. Use only non-sparking tools. All equipment used when handling the product must be grounded. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.
<b>Reference to Other Sections</b>	For disposal, see Section 13.

## Section 7. Handling and Storage

<b>Precautions for Safe Handling</b>	DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharge. Use only non-sparking tools. Use personal protective equipment as required. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Do not eat, drink or smoke when using the product. Use only with adequate ventilation. Wash hands thoroughly after handling. See Section 8 of the SDS for Personal Protective Equipment.
<b>Conditions for Safe Storage, Including any Incompatibilities</b>	Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Keep container tightly closed in a cool, well-ventilated place. Store in a dry place. Ground container and transfer equipment to eliminate static electric sparks. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.
<b>Specific End Use(s)</b>	Analytical chemistry

## Section 8. Exposure Controls and Personal Protection

<b>Components with Workplace Control Parameters</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.
<b>Appropriate Engineering Controls</b>	No data available.
<b>Eye/Face Protection</b>	Chemical goggles and face shield are recommended.
<b>Skin Protection</b>	Chemical resistant gloves
<b>Body Protection</b>	Wear suitable protective clothing and gloves.
<b>Respiratory Protection</b>	In case of inadequate ventilation use suitable respirator.
<b>Control of Environmental Exposure</b>	Keep tightly closed. Store in a cool dry place.

## Section 9. Physical and Chemical Properties

<b>Appearance</b>	Form: Liquid
<b>Odor</b>	Pungent
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point/Freezing Point</b>	-97.8 °C
<b>Initial Boiling Point and Boiling Range</b>	64 °C
<b>Flash Point</b>	11-12 °C (Closed cup)
<b>Evaporation Rate</b>	No data available
<b>Flammability (solid, gas)</b>	Class IB Flammable liquid
<b>Upper/Lower Flammability or Explosive Limits</b>	Flammability limit - upper (%): 36 %(V) Flammability limit - lower (%): 6 %(V) Explosive limit - upper (%): No data available. Explosive limit - lower (%): No data available.
<b>Vapor Pressure</b>	16.9 kPa (25 °C)
<b>Vapor Density</b>	1.11 AIR=1
<b>Relative Density</b>	0.8 (20 °C)
<b>Water Solubility</b>	1,000 g/l Miscible with water.
<b>Partition Coefficient : n-octanol/water</b>	-0.77
<b>Auto-ignition Temperature</b>	464 °C
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available
<b>Other Safety Information</b>	No data available

## Section 10. Stability and Reactivity

<b>Reactivity</b>	Contact with metals may evolve flammable hydrogen gas.
<b>Chemical Stability</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Heat, sparks, flames. Sunlight.
<b>Incompatible Materials</b>	Oxidizing agents. Strong oxidizing agents. Acids.

## Section 11. Toxicological Information

<b>Routes of Exposure</b>	<i>On the skin:</i> Toxic in contact with skin. <i>On the eye:</i> Causes serious eye irritation. <i>Inhalation:</i> Toxic by inhalation. <i>Ingestion:</i> Toxic if swallowed.
<b>Respiratory or Skin Sensitization</b>	Not a skin sensitizer.
<b>Signs and Symptoms of Overexposure</b>	No data available
<b>Toxicity Data</b>	<i>Oral Rat</i> LD 50 (Rat): 5,628 mg/kg LD 50 (Mouse): 7,300 mg/kg LD 50 (Rabbit): 14,300 mg/kg

## Section 12. Ecological Information

**General Notes** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## Section 13. Disposal Considerations

**Product** Discharge, treatment, or disposal may be subject to national, state, or local laws.  
**Contaminated Packaging** Since emptied containers retain product residue, follow label warnings even after container is emptied.

## Section 14. Transport Information

**DOT Shipping Name** Methanol  
**UN Proper Shipping Name** Methanol  
**DOT Hazard Class** 3  
**Packing Group** II  
**UN Number** UN 1230  
**Hazardous Ingredients** No data available  
**DOT Label** 3  
**DOT Placard** No data available

**IMDG Shipping Name** Methanol  
**UN Number** UN 1230  
**Class** 3, 6.1  
**Packing Group** II

**IATA Shipping Name** Methanol  
**Technical Shipping Name** Methanol  
**IATA Hazard Class** 3, 6.1  
**UN Number** UN 1230  
**Hazardous Ingredients** No data available  
**IATA Label** 3, 6.1  
**IATA Placard** No data available

## Section 15. Regulatory Information

**OSHA Status** No data available  
**TSCA Status** None present or none present in regulated quantities.  
**CERCLA Reportable Quantity** METHYL ALCOHOL  
5000 lbs.  
**SARA Title III** None present or none present in regulated quantities.  
**RCRA Status** No data available  
**California Proposition 65** No data available  
**Chemical Weapons Convention** No data available  
**TSCA 12 (b)** No data available

<b>SARA 311/312</b>	Acute:	No data available
	Chronic:	No data available
	Fire:	No data available
	Pressure:	No data available
	Reactivity:	No data available
<b>Australian Hazchem Code</b>	No data available	
<b>Poison Schedule</b>	No data available	
<b>WHMIS</b>	No data available	

## Section 16. Other Information

Date Prepared: June 2, 2003

Revised: August 31, 2015

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