

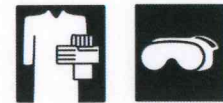
**Section 1. Product and Preparation Information**

<b>Product Identifier</b> Methyl Alcohol	<b>Product Use</b> Formulating, processing and staining procedures	<b>Date Prepared</b> Jan 2010
<b>Synonyms / Chemical Name</b> Methyl Alcohol Anhydrous ACS		<b>Azer Reorder Number(s): ES607</b>
<b>Manufacturer/ Preparer</b> Azer Scientific 189 Twin County Road Morgantown, PA 19543	610-524-5810 Fax: 610-901-3046 Support: info@azersci.com	<b>Emergency Contact</b> Chemtec USA and Canada 800.424.9300 Chemtec International 703.527.3887 USA Non-Transport Calls 800.225.8867

**Section 2. Protective Measures**

**Personal Protection**

**Eyes:** Goggles  
**Hands:** Latex or nitrile gloves  
**Body:** Laboratory coat  
**Respiratory Wear:** approved/certified respirator if airborne concentrations exceed exposure limits


**Emergency Overview**

POISON! DANGER! VAPOR HARMFUL. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. CANNOT BE MADE NONPOISONOUS. FLAMMABLE LIQUID AND VAPOR. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM AND LIVER. EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.



**Engineering Controls:** Provide local exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash stations and safety showers are local to the workstation.

**Handling and Storage:** Keep container tightly closed. Store in a cool, dry area and protect from physical damage.

**Small Spill and Leak:** Take up spills with absorbent material and containerize for proper disposal.

**Large Spill and Leak:** Warning! Flammable! Eliminate all ignition sources. Use water to suppress vapors and dilute. Take up with absorbent material.

**Waste Disposal:** Unused Product – Dispose as a regulated hazardous waste. Spent product or spill clean up - Follow all provincial and federal rules.

**Section 3. Hazardous Ingredients**

Hazardous Ingredient	% wt.	CAS Number	LD50	LC50
Methanol	100	67-56-1	6.2-13 mg/kg oral rat 20 ml/kg acute dermal rabbit	64000 ppm

TDG PIN


**Section 4. First Aid Measures**

**Eye Contact:** Check for and remove contact lenses. Wash with large amounts of water for 15 minutes. Seek medical attention.

**Skin Contact:** Remove contaminated clothing and shoes. Wash the affected area with large amounts of soap and water. Seek medical attention.

**Inhalation:** Move person to fresh air. If necessary give CPR warning this could pose a risk of exposure to the rescue breather. Seek medical attention.

**Ingestion:** Give two glasses of water to a conscious victim. Do not induce vomiting. Seek medical attention.

**Section 5. Physical Data**

<b>Physical State</b> Liquid	<b>Odor and Appearance</b> Pleasant odor, colorless	<b>Odor Threshold (ppm)</b> N/A	<b>Solubility</b> Soluble in water	<b>Auto-ignition Temp</b> 464°C (867°F)
<b>Vapor Pressure</b> 128mmHg	<b>Vapor Density</b> 1.11 MeOH Air = 1	<b>Evaporation Rate</b> 5.2	<b>Boiling Point</b> 64.7°C (147°F)	<b>Flash Point CC</b> -54°F (12°C)
<b>pH</b> N/A	<b>Specific Gravity</b> 0.7925 Water=1	<b>Coeff. Water/oil Dist.</b> N/A	<b>Freezing Point</b> -144.4°F (-98°C)	<b>Flammable Limits</b> LEL 6.0%, UEL 36.0%

## Section 6. Fire and Explosion

### Flammability

Flammable Liquid IB  
(Canada B2)

### Conditions

Excessive heat, sparks and open flames.

### Fl. Pt - Auto Ignition - Flammable Limits

See Physical Data above

### Explosivity

Not explosive under normal conditions of use. Vapors are heavier than air and may settle in low areas. Vapors may travel long distances to an ignition source and flash back explosively. Flame may be invisible. Not sensitive to impact. Probably will not accumulate static charge due to high electrical conductivity, however proper grounding during transfer is recommended (NFPA 77).

### Hazardous Combustion Products

Carbon monoxide, carbon dioxide

### Means to Extinguish

Small Fire – Use DRY chemical powder. Large Fire – Use alcohol Foam, or Carbon Dioxide

## Section 7. Reactivity

### Stability

Product is stable under normal conditions of use.

### Hazardous Decomposition Products

May form carbon dioxide, carbon monoxide, and formaldehyde when heated to decomposition.

### Conditions of Reactivity

Heat, flames, ignition sources and incompatibles.

### Hazardous Polymerization

No hazardous polymerization.

### Incompatibility

Strong oxidizing agents such as nitrates, perchlorates or sulfuric acid. Will attack some forms of plastics, rubber, and coatings. May react with metallic aluminum and generate hydrogen gas.

## Section 8. Toxicological Properties

**Routes of Entry** Inhalation, skin absorption, ingestion

**Target Organs** Kidneys, heart, central nervous system, liver, eyes.

### Effects of Acute Exposure

<b>Eye</b>	Hazardous in case of eye contact.
<b>Skin</b>	Hazardous in case of skin contact
<b>Absorption</b>	N/A
<b>Inhalation</b>	Hazardous in case of inhalation
<b>Ingestion</b>	Hazardous in case of ingestion.

### Effects of Chronic Exposure

Repeated or prolonged exposure to the substance can produce target organs damage.

### Carcinogenic Effects

N/A

### Reproductive Toxicity

N/A

### Teratogenic and Mutagenic Effects

N/A

### Exposure Limits

Methyl alcohol

### OSHA PEL TWA

Non hazardous

### ACGIH TLV TWA

200 ppm (skin)

### STEL

250 ppm

### TWAEV (Ont.)

N/A

### STEV (Ont.)

N/A

### CEV (Ont.)

N/A

## Section 9. Regulatory Information

### OSHA Hazardous

Non Hazardous

### Cal. Prop. 65

Not Listed

### Canadian WHMIS

B2 flammable liquid, D2B toxic material

### RCRA Regulated

Yes

### SARA 302/304

Not listed

### SARA 313

Listed

### CERCLA 102A

Listed

### RQ

Not listed

### CWA 307

Not Listed

### CWA 311

Not Listed

### CAA 112 Release Prevention

Not Listed

### CAA 112 Reg. Flam. Substance

Not Listed

### CAA 112 Reg. Toxic Substance

Not Listed

### TSCA Inventory

Listed

### EEC Flammability

Flammable

### CEPA DSL

Listed

### Proper US DOT Shipping Name

Methanol, UN1230, 3, PGI

### TDG Classification

Not Listed

### IATA Classification

Not Listed

### Limited Quantity

Not Listed

The information provided above is based upon unused product. Product characteristics may change after use, requiring further classification.

### Azer Scientific

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