

**Methanol**

SDS Number: 911251

**1** PRODUCT AND COMPANY INFORMATION

Product Name: Methanol  
Revision Date: 11/25/2015  
SDS Number: 911251  
Common Name: Methanol  
CAS Number: 67-56-1  
Product Code: 911251  
Synonyms: Methyl Alcohol, CH<sub>3</sub>OH

**Company Identification:**

*Manufactured for:*  
LYDEN OIL COMPANY  
3711 LeHarp's Road  
Youngstown, OH 44515

For Product Information: 1-330-792-1100  
For Emergencies: 1-800-424-9300  
CHEMTREC: 1-800-424-9300 or 1-703-527-3887

**2** HAZARDS IDENTIFICATIONSignal Word:**DANGER**Hazard Classes/Categories:

Flammable liquid, Category 2.  
Acute toxicity, Oral category 3.  
Acute toxicity, Dermal category 3.

SDS Number: 911251

Acute toxicity, Inhalation category 3.  
Specific target organ toxicity – repeated exposure, Category 1.

**Hazard Statement(s):**

H225: Highly flammable liquid and vapor.  
H301: Toxic if swallowed.  
H311: Toxic in contact with skin.  
H331: Toxic if inhaled.  
H370: Causes damage to organs.

**Precaution Statement(s):**

P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233: Keep container tightly closed.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical/ventilating/lighting equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P260: Do not breathe dust/fumes/gas/mist/vapors/spray.  
P264: Wash skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P330: Rinse mouth.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P311: Call a POISON CENTER/ doctor.  
P363: Wash contaminated clothing before reuse.  
P370+378: In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam to extinguish.  
P403: Store in a well ventilated place.  
P404: Store in a closed container.

SDS Number: 911251

P405: Store locked up.  
P501: Dispose of contents/container in accordance with  
local/regional/national/international regulation.

Other Hazard Statement(s):

Repeated exposure may cause skin dryness or cracking.

**3** COMPOSITION / INFORMATION ON INGREDIENTSIngredients:

*Mixture of the substances listed below with nonhazardous additions.*

Chemical Name	CAS Number	Percentage
Methanol	67-56-1	100

*\*Any concentration shown as a range is to protect confidentiality or is due to batch variation.*

**4** FIRST AID MEASURESDescription of First Aid Measures:

## Inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Obtain medical attention.

## Skin Contact:

Wash with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if needed.

## Eye Contact:

Can cause irritation to eyes. Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult medical attention.

## Ingestion:

Call a poison center or physician. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. DO NOT induce vomiting.



# Safety Data Sheet

Lyden Oil Company

Page 4 of 9

## Methanol

SDS Number: 911251

### Symptoms and Effects, both acute and delayed:

Can cause irritation to eyes and mucous membranes. Sore throat, shortness of breath, coughing and congestion. Skin irritation, itching, dermatitis. Irritation to mucous membranes.

### Recommended Actions:

Treat symptomatically. Call a doctor or poison control center for guidance.

## 5 FIRE FIGHTING MEASURES

### Recommended Fire-Extinguishing Equipment:

Use dry powder, foam, or carbon dioxide fire extinguishers. Water spray may be used for larger fires.

### Possible Hazards During a Fire:

Hazardous combustion products may include carbon oxides.

### Recommendations to Firefighters:

Proper protective equipment including breathing apparatus.

## 6 ACCIDENTAL RELEASE MEASURES

### Personal Precautions:

Avoid contact with skin, eyes, and clothing. Keep away from sources of ignition, direct sunlight, and high heat.

### Emergency Procedures:

Contain spilled material, collect in suitable and properly labeled containers.



# Safety Data Sheet

Lyden Oil Company

Page 5 of 9

## Methanol

SDS Number: 911251

### Environmental Precautions:

Do not allow to reach sewage system or any water course.  
Do not allow to enter ground waters.

### Cleanup Procedures:

Pick up excess with inert absorbant material.

## 7 HANDLING AND STORAGE

### Handling Precautions:

Handle with care and avoid spillage on the floor.  
Do not cut, weld, drill, grind, braze, or solder container.

### Storage Requirements:

Keep container tightly sealed.  
Keep away from sources of ignition.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits:

-67-56-1 Methanol (100%):

ACGIH TWA – 200 ppm

ACGIH STEL – 250 ppm

OSHA TWA – 260 mg/m<sup>3</sup>

### Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

### Personal Protective Equipment:

Wash hands before breaks and at the end of work.  
Use safety glasses and gloves.



# Safety Data Sheet

Lyden Oil Company

Page 6 of 9

## Methanol

SDS Number: 911251

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Color:	Colorless
Physical State:	Liquid
Odor:	Pungent
Odor Threshold:	Data not available
pH:	Data not available
Melting Point:	-98° C / -144° F
Boiling Point:	64.7° C / 148.5° F
Boiling Range:	Data not available
Flash Point:	9.7° C / 49.5° F (Closed Cup Method)
Evaporation Rate:	Data not available
Flammability:	Data not available
Flammability Limits:	Upper Explosion Limit: 36%(V) Lower Explosion Limit: 6%(V)
Vapor Pressure:	97.7 mmHg at 20° C
Vapor Density:	1.11 (Air = 1)
Relative Density:	0.791 g/mL
Solubilities:	Completely soluble in water
Partition Coefficient:	Log Pow = -0.77
Auto-Ignition Temperature:	455° C / 851° F
Decomposition Temperature:	Data not available
Viscosity:	Data not available

### 10 STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Reactivity: Not reactive under normal conditions.

Conditions to Avoid: High temperature, sparks, open flame, and direct sunlight.

Hazardous Reactions: Vapors may form explosive mixture with air.

**Methanol**

SDS Number: 911251

Incompatible Materials:

Acid Chlorides, Acid Anhydrides, Oxidizing Agents,  
Reducing Agents, Acids, Alkali Metals.

Decomposition Products:

Hazardous decomposition products are not  
expected to form.

**11 TOXICOLOGICAL INFORMATION**Routes of Exposure:

Skin and eye contact are the primary routes of  
exposure although exposure may occur following  
accidental ingestion.

Exposure Effects:

Repeated skin contact may cause dermatitis.  
Exposure to eyes may cause redness and blurred  
vision. Harmful if swallowed, may cause burns to  
mouth and esophagus.

Measures of Toxicity:

Component Acute Toxicity Estimates:

Methanol:

Oral LD50: 7300 mg/kg (rat)

Dermal LD50: 15800 mg/kg

Inhalative LC50: 87.5 mg/l (6 hours) (rat)

Carcinogenic/Mutagenic Precautions:

Non-carcinogenic and not expected to be  
mutagenic.

**12 ECOLOGICAL INFORMATION**Ecological Precautions:

Avoid exposing to the environment.



# Safety Data Sheet

Lyden Oil Company

Page 8 of 9

## Methanol

SDS Number: 911251

### Ecological Effects:

No specific environmental or aquatic data available.

## 13 DISPOSAL CONSIDERATIONS

### Disposal Methods:

Dispose of waste material in accordance with all local, state, and federal requirements.

### Disposal Containers:

Use properly approved container for disposal.

### Special Precautions:

Do not flush to surface waters or drains.

## 14 TRANSPORT INFORMATION

UN Number: UN 1230  
UN Shipping Name: Methanol  
Transport Hazard Class: 3  
Packing Group: II

### Environmental Hazards:

Data not available

### Bulk Transport Guidance:

Reportable Quantity: 5000 pounds

### Special Precautions:

Placard: FLAMMABLE

## 15 REGULATORY INFORMATION

This material and all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act.





# Safety Data Sheet

Lyden Oil Company

Page 9 of 9

**Methanol**

SDS Number: 911251

16

## OTHER INFORMATION

Last Revision Date: 11/25/2015

*The information contained in this Safety Data Sheet (SDS) relates only to the specific material designated. LYDEN OIL COMPANY assumes no legal responsibility of the use or reliance upon this data. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of the LYDEN OIL COMPANY.*