

# SAFETY DATA SHEET (SDS)

Complies with OSHA's Hazard Communication Standard 2012 and the Global Harmonized Standard (GHS).

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## Section 1 : Identification

**Product Identification: Burning Alcohol (Methanol) Item Number: 00100**

Manufactured by:

EPR Industries LLC.  
4576 Crescent Boulevard  
Pennsauken, NJ 08109

Telephone: 1-856-488-1120

**Emergency: Info-Trac 1-800-535-5053**

**Recommended use:** Fuel for dental torches.

## Section 2 : Hazard(s)

### Emergency Overview

OSHA Hazards: Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption

Target Organs: Eyes, Kidney, Liver, Heart, Central nervous system

### GHS Classification:

Flammable liquids, (Category 2)

Acute toxicity, Oral (Category 3)

Acute toxicity, Inhalation (Category 3)

Acute toxicity, Dermal (Category 3)

Specific target organ toxicity - single exposure (Category 1)

### GHS Label elements, including precautionary statements

Pictogram

Signal word: Danger



### Hazard statement(s)

H225 Highly flammable liquid and vapor.

H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled

H370 Causes damage to organs.

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## Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P280 Wear protective gloves/protective clothing.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P307 + P311 IF exposed: Call a POISON CENTER or doctor/physician.

## Potential Health Effects:

Inhalation: Toxic if inhaled. Causes respiratory tract irritation.

Skin: Toxic if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: Toxic if swallowed.

## Section 3 : Composition / information on Ingredients

Hazardous Ingredient(s)	CAS #	Exposure PEL, TLV, TWA	%
Methyl Alcohol (Methanol)	[67-56-1]	200 ppm / 200 ppm	4.5

## Section 4 : First-aid measures

### EMERGENCY FIRST AID PROCEDURES

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

## **Section 5 : Fire-fighting measures**

**Flash Point : 54 F, TCC Flammable limits: LEL : 6.0 UEL : 36.0 Auto ignition: 470 C (878 F)**

Extinguishing media: Water spray, CO<sub>2</sub>, Dry Chemical

Unusual fire and explosion hazards: FLASH FIRE HAZARD. **Methanol flames can be invisible.**  
Cool containers exposed to flame/heat with water.

Special Fire Fighting Procedure: Clear area of unprotected personnel. Do not enter confined fire space. Helmet with face shield, bunker coats, and rubber boots. Firefighters should be equipped positive pressure, self-contained, NIOSH approved breathing apparatus to protect against potentially toxic and irritating fumes.

## **Section 6 : Accidental release measures**

**Personal precautions:** Use personal protection per Section 8.

**Environmental precautions:** Keep from contaminating soils and waterways.

**Methods for cleaning up:** Extinguish all ignition sources. Soak up an absorbent such as clay, sand, or other appropriate material. Vapors may accumulate and travel to distant ignition sources. FLASH FIRE HAZARD. Suppress vapor cloud with water fog. Contain all runoff.

## **Section 7 : Handling and storage**

**Handling:** Use in well ventilated areas. Avoid contact with eyes, and **DO NOT** inhale vapor.

**Advice on protection against fire and explosion:** Product is flammable. **Storage:** Store in well ventilated areas at ambient temp. Advice on common storage: **Do not store next to strong oxidizers and acids.**

## **Section 8 : Exposure control / personal protection**

Engineering Measures: Provide normal room ventilation.

Personal Precautions: Use protective clothing as specified below.

Eye Protection: Use safety goggles or approved safety glasses.

Hand Protection: Use protective gloves and discard after contact with product.

Skin and body protection: Pants, long sleeves, clinical jacket.

Respiratory protection: Use approved respirator either full face atmosphere supplying or air purifying.

Hygiene measures: Wash hands after using. Emergency eye wash station must be available.  
Launder contaminated clothing.

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## **Section 9 : Physical chemical properties**

Boiling Point : 64.6 C (148.3 F) Specific Gravity : 0.7915 @ 20C Vapor Pressure: (mm Hg) 96 @ 20 C (68 F)

Melting Point : N/A Evaporation Rate : (n-butyl = 1) 1.4 Relative vapor density 1.11

Solubility in Water : Complete

Appearance and Odor: Clear, colorless liquid with alcohol odor.

## **Section 10 : Stability and reactivity**

**Materials to avoid:** Avoid contact with strong oxidants, silver salts, acid chlorides, alkali metals, metal hydrides, hydrazine, and many other substances.

**Hazardous decomposition products:** Carbon dioxide and carbon monoxide may form when heated to decomposition.

**Hazardous reactions:** Will evolve gases if mixed with strong oxidizing agents and acids.

## **Section 11 : Toxicological information**

### **Acute oral toxicity:**

Methyl alcohol: oral rat LD50= 5628mg/kg

Inhalation rat LC50= 64000ppm/4H

Skin rabbit LD50= 15800mg/kg

Investigated as a tumorigen, mutagen, reproductive effector.

### **Carcinogenicity:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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## **Potential health effects**

Inhalation: Toxic if inhaled. Causes respiratory tract irritation.

Ingestion: Toxic if swallowed.

Skin: Toxic if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

## **Signs and Symptoms of Exposure:**

Methyl alcohol may be fatal or cause blindness if swallowed.

Effects due to ingestion may include:, Headache, Dizziness, Drowsiness, metabolic acidosis, Coma, Seizures.

Symptoms may be delayed., Damage of the:, Liver, Kidney

## **Section 12 : Ecological information**

### **Toxicity:**

Toxicity to fish: mortality LC50 - Lepomis macrochirus (Bluegill) - 15,400.0 mg/l - 96 h

NOEC - Oryzias latipes - 7,900 mg/l - 200 h

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water flea) - > 10,000.00 mg/l - 48 h

Toxicity to algae: Growth inhibition

EC50 - Scenedesmus capricornutum (fresh water algae) - 22,000.0 mg/l - 96 h

### **Persistence and degradability**

Biodegradability : aerobic

Result: 72 % - rapidly biodegradable

### Bioaccumulative potential

Bioaccumulation Cyprinus carpio (Carp) - 72 d at 20 °C

Bioconcentration factor (BCF): 1.0

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## **Section 13 : Disposal consideration**

**Waste/Disposal Information:** Observe all Federal, State, and Local Environmental Regulations when disposing of this product.

Use and or alterations to this product such as mixing with other materials/chemicals may significantly change the characteristics of the material and alter product hazard classifications and the proper disposal method.

**Local disposal regulations** Not available.

### **Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers may retain some product residues. This material and its container must be disposed of in a safe manner.

## **Section 14 : Transport information**

Product is classified as a Hazardous Material:

**DOT (US) Proper Shipping Name: Methanol**

**Hazard Class: 3**

**UN/NA: UN 1230**

**Packing Group: II**

**Information reported for product/size:** Gallon containers shipped as HAZMAT. 32 Ounce containers meet quantity exception under CFR 49 when shipped as ORM-D.

### **IMDG**

UN number: 1230 Class: 3 Packing group: II EMS-No: F-E, S-D

Proper shipping name: Methanol

Marine pollutant: No

### **IATA**

UN number: 1230 Class: 3 Packing group: II

Proper shipping name: Methanol

## **Section 15 : Regulatory information**

### **SARA 302 Components**

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

### **SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:  
Methanol

CAS-No.67-56-1 Revision Date 2007-07-01

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

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**Massachusetts Right To Know Components**

Methanol CAS-No.67-56-1 Revision Date 2007-07-01

**Pennsylvania Right To Know Components**

Methanol CAS-No. 67-56-1 Revision Date 2007-07-01

**New Jersey Right To Know Components**

Methanol CAS-No. 67-56-1 Revision Date 2007-07-01

**California Prop. 65 Components**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Methanol CAS-No. 67-56-1 Revision Date 2012-03-16

**Section 16 : Other information**

**HMIS Rating**

Health hazard: 2

Chronic Health Hazard: \*

Flammability: 3

Physical Hazard 0

**NFPA Rating**

Health hazard: 2

Fire Hazard: 3

Reactivity Hazard: 0

**Date prepared: February 2015**

**Revision: 1.00A**

Information contained herein is furnished without warranties of any kind. Users should consider these data only as supplements to other information obtained by them and must make independent determinations of completeness and suitability of information from all sources to ensure proper disposal and use of materials for the safety and health of both employees and customers.