

# SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

## SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

### PRODUCT

**Product Name:** METHANOL  
**Control Number:** 00084  
**Product Description:** Methyl Alcohol

### COMPANY IDENTIFICATION

**Supplier:** COLONIAL CHEMICAL SOLUTIONS, INC.  
916 West Lathrop Avenue  
Savannah, Georgia 31415

**24 Hour Emergency Telephone:** (800)-424-9300 CHEMTREC  
**General Information:** (912) 236-1331

## SECTION 2- HAZARDS IDENTIFICATION

### GHS Classification:

#### [ Health ]

Acute toxicity, Inhalation Category 3  
Acute toxicity, Oral Category 3  
Acute toxicity, Dermal Category 3  
Skin irritation Category 2  
Specific target organ toxicity - single exposure Category 1

#### [ Environmental ]

None

#### [ Physical ]

Flammable liquids Category 2

### GHS Label elements, including precautionary statements

#### Pictograms



**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.

#### 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

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Methanol	67-56-1	100

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## SECTION 4 · FIRST AID MEASURES

### FIRST AID PROCEDURES:

**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

**Skin Contact:** Wash with soap and water. Seek medical attention if irritation develops.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if symptoms appear.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

## SECTION 5 · FIRE FIGHTING MEASURES

**Suitable Extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Hazardous combustion products:** Oxides of carbon and various hydrocarbons

**Fire Fighting Procedures:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Unusual Fire and Explosion Hazards:** Containers can build up pressure if exposed to heat and/or fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapors will form an explosive mixture with air. Vapors will travel to a source of ignition and flash back.

## SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

**Spills:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Contain spillage, salvage as much recyclable material as possible, then collect with an electrically protected vacuum cleaner or by wet-brushing and place in a container for disposal according to regulations.

## SECTION 7 · STORAGE AND HANDLING

**Handling:** Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed and tightly sealed when not in use. Avoid contact with skin and eyes.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

**Storage:** This material is a static accumulator. Use non-sparking tools. Store in a cool, dry, ventilated area, away from incompatible substances. Store only in approved properly labeled containers. Containers should be grounded and bonded.

## SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

**Exposure Limits:** Methanol 200 ppm ACGIH; 200 ppm OSHA

### Personal Protective Equipment (PPE):

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

**Skin:** If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

**Clothing:** Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

**Respirators:** Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Flash Point:** 50 °F  
**Autoignition Temperature:** 851 °F  
**Boiling Point Range:** 149 - 154 °F  
**Melting Point/Freezing Point:** no data available  
**Vapor Pressure:** 98 mmHg  
**Vapor Density (Air-1):** no data available  
**Odor/Appearance:** Clear colorless liquid with an alcoholic odor

**Flammability Limits:** Lower: 6 Upper: 36  
**Specific Gravity:** 0.79  
**Volatile %:** 100  
**Evaporation Rate:** no data available  
**pH:** Not Applicable  
**Solubility in Water:** Miscible

## SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal use and temperature conditions.  
**Conditions to Avoid:** Keep away from heat, flame and other potential ignition sources.  
**Incompatible Materials:** Strong oxidizing agents, Strong reducing agents, Strong bases  
**Hazardous Polymerization:** Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Signs and Symptoms of Overexposure:

**Skin:** Contact can cause redness and irritation. Severity depends on the amount and duration of exposure.

**Eyes:** Vapors are irritating to the eyes. Liquid contact will cause stinging and tearing.

**Inhalation:** Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause central nervous system depression. May cause drowsiness or dizziness.

**Ingestion:** If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. Aspiration of this material into the lungs may result in damage or death.

### Acute oral toxicity:

LD50 rat: 1,187 - 2,769 mg/kg

### Acute inhalation toxicity:

LC50 rat: 128.2 mg/l 4h

### Acute dermal toxicity:

LD50 rabbit: 17,100 mg/kg

## SECTION 12 - ECOLOGICAL INFORMATION

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

**Bio-accumulative potential:** his product is rapidly biodegradable.

**Mobility:** Will not adsorb on soil.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

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## SECTION 14 · TRANSPORTATION

### U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

**Proper Shipping Name:** Methanol  
**Hazard Class:** 3  
**UN Number:** 1230  
**Packaging Group:** 2

## SECTION 15 · REGULATORY INFORMATION

### US FEDERAL REGULATIONS

#### OSHA Hazards

Flammable liquid, Target Organ Effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption

#### Comprehensive Environmental Response and Liability Act (CERCLA)

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material is 5000 pounds. If appropriate, immediately report to the National Response Center (800/424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies.

**Toxic Substance Control Act (TSCA):** All components of this product are listed on the TSCA inventory list.

#### SARA Section 311/312 (40 CFR 370) Hazard Categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

#### SARA Section 313 (40 CFR 372) Hazard Categories:

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

**Clean Water Act:** This product contains Methanol a chemical that is listed as Hazardous under the CWA.

**Clean Air Act:** This product contains Methanol a chemical that is listed as Hazardous under the CAA.

**California Prop 65:** This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

## SECTION 16 · OTHER INFORMATION

**SDS Revision Date:** April 2015

**National Fire Protection Association (NFPA) Ratings:** This information is intended solely for the use of individuals trained in the NFPA system.

**Health:** 2  
**Flammability:** 3  
**Reactivity:** 0

The information above is believed to be accurate and represents the best information currently available to us. However, Colonial Chemical Solutions makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Colonial be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Colonial has been advised of the possibility of such damages. The vendor assumes no responsibility for injury or damages resulting from the inappropriate alteration or manipulation of this MSDS and its contents from that originally submitted by Colonial.