

# SAFETY DATA SHEET



Colonial Chemical Solutions, Inc

## SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

### PRODUCT

**Product Name:** GLYCOL ETHER DM

**Control Number:** 00180

**Product Description:** Solvent

### 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, Oral Category 4

#### [ Environmental ]

None

#### [ Physical ]

Flammable liquids Category 4

### GHS Label elements, including precautionary statements

### Pictograms



**Signal Word:** Warning

### Hazard statement(s)

H227 Combustible liquid

H361 Suspected of damaging fertility or the unborn child.

### Precautionary statement(s)

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

## SECTION 3 - HAZARDOUS INGREDIENTS

### CHEMICAL NAME

### CAS Number

### %WT

Diethylene glycol monomethyl ether

111-77-3

90 – 100%

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## SECTION 4 - FIRST AID MEASURES

**Eyes:** Flush eyes with water as a precaution. Get medical attention if irritation occurs.

**Skin:** Wash off with soap and plenty of water. Get medical attention if symptoms occur.

**Inhalation:** Move exposed person to fresh air. If not breathing provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

## SECTION 5 - FIRE FIGHTING MEASURES

**Extinguishing Media:** To extinguish use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Fire Fighting Procedures:** Cool exposed containers with water spray. Wear self-contained breathing apparatus (SCBA) operated in pressure demand mode and full bunker firefighter's protective clothing.

**Fire and Explosion Hazards:** : Containers can rupture and explode under fire conditions due to pressure and vapor buildup. Heated vapors may form explosive mixture with air.

## SECTION 6 - ACCIDENTAL RELEASE and DISPOSAL MEASURES

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Stop leak if without risk. Prevent entry into sewers, water courses, basements or confined areas. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## SECTION 7 - STORAGE AND HANDLING

**Precautions To Be Taken In Handling and Storage:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist.

**Other Precautions:** Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Take measures to prevent the build up of electrostatic charge.

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

**Exposure Limits:** Diethylene glycol monomethyl ether 100 mg/m<sup>3</sup> ACGIH: No OSHA data

### Personal Protective Equipment (PPE):

**Eyes** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts..

**Skin:** If Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product

**Clothing:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**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

<b>Flash Point:</b> 189 °F	<b>Flammability Limits:</b> Lower: 2 Upper: 23
<b>Autoignition Temperature:</b> No available data	<b>Specific Gravity:</b> 1.02
<b>Boiling Point Range:</b> 374-381 °F	<b>Volatile %:</b> No available data
<b>Melting Point:</b> -94 °F	<b>Evaporation Rate (BuAc=1):</b> <0.1
<b>Vapor Pressure:</b> <1 mmHg	<b>pH:</b> No available data
<b>Vapor Density (Air-1):</b> 4.2 ]	<b>Solubility in Water:</b> miscible
<b>Odor/Appearance:</b> Clear light yellow liquid with mild odor	

## 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.  
**Materials to Avoid:** Strong oxidizers.  
**Decomposition Products:** When combusted, oxides of carbon and various hydrocarbons.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Signs and Symptoms of Overexposure:

**Skin:** Contact can cause redness, irritation and drying. Severity depends on the amount and duration of exposure.  
**Eyes:** Vapors may be 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.  
**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 > 7,000 mg/kg

### Acute inhalation toxicity:

No available data.

### Acute dermal toxicity:

LD50 rabbit: 9,404 mg/kg

## SECTION 12 - ECOLOGICAL INFORMATION

**ECOTOXICITY:** Toxicity to fish LC50 - *Lepomis macrochirus* - 7,500 mg/l - 96 h .  
**Bio-accumulative potential:** Bioaccumulation of this product is unlikely. This product is readily biodegradable.  
**Mobility:** This product is moderately mobile in soil and likely to volatilize from soil surface.

## 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:** Combustible liquid, n.o.s. (2-(2-Methoxyethoxy)ethanol)  
**Hazard Class:** Combustible Liquid  
**NA Number:** 1993  
**Packaging Group:** 3

## SECTION 15 - REGULATORY INFORMATION

### US FEDERAL REGULATIONS

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

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation 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 has no published data.

**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:

Acute Health Hazard, Chronic Health Hazard.

**SARA Section 313 (40 CFR 372) Hazard Categories:** This product contains the following toxic chemical(s) subject to reporting requirements: (2-(2-Methoxyethoxy)ethanol)

**Clean Water Act:** This product contains Glycol Ether a chemical class listed under the CWA.

**Clean Air Act:** None of the chemicals in this product are listed as Hazardous Substances 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

**MSDS Revision Date:** December 2014

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

**Health: 1**  
**Flammability: 2**  
**Reactivity: 0**

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