

# SAFETY DATA SHEET



Colonial Chemical Solutions, Inc

## SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

### PRODUCT

**Product Name:** DIETHYLENE GLYCOL

**Control Number:** 00012

**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 ]

None

### GHS Label elements, including precautionary statements

### Pictograms



**Signal Word:** Warning

### Hazard statement(s)

H302 Harmful if swallowed.

### Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/ container to an approved waste disposal plant.

## SECTION 3 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Diethylene glycol	111-46-6	80 – 100%

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## SECTION 4 · FIRST AID MEASURES

**Eyes:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

**Skin:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes.

Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Inhalation:** Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.

**Ingestion:** Wash out mouth with water. Move exposed person to fresh air. Aspiration hazard if swallowed. Can enter lungs and cause damage. 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 flames use an extinguishing agent suitable for the surrounding fire.

**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. 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. Workers should wash hands and face before eating, drinking and smoking. 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

## SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** Use explosion-proof ventilation equipment. 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 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

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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.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Flash Point:** 309 °F

**Autoignition Temperature:** 702 °F

**Boiling Point:** 473 °F

**Melting Point:** 14 °F

**Vapor Pressure:** <1 mmHg

**Vapor Density (Air-1):** 3.65 [Air = 1]

**Odor/Appearance:** Colorless liquid with mild odor

**Flammability Limits:** Lower: 2 Upper: 12

**Specific Gravity:** 1.12

**Volatile %:** 100

**Evaporation Rate (BuAc=1):** <0.1

**pH:** 7

**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.

**Materials to Avoid:** Strong acids, and 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:

Diethylene Glycol: LD50 >25300 mg/kg

### Acute inhalation toxicity:

Diethylene Glycol: LC50>5.08 mg/L

### Acute dermal toxicity:

Diethylene Glycol: LD50 12500 mg/kg

## SECTION 12 - ECOLOGICAL INFORMATION

**ECOTOXICITY:** Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**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

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**Colonial Chemical Solutions, Inc**

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.

## SECTION 14 · TRANSPORTATION

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

**Proper Shipping Name:** Not a DOT Regulated Material

**Hazard Class:**

**UN Number:**

**Packaging Group:**

## 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). 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. There is no reportable quantity (RQ) for this material.

**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:**

Delayed Health Hazard.

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

**Clean Water Act:** This product contains no chemicals that are listed under the CWA.

**Clean Air Act:** This product contains no chemicals that are listed 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:** August 2014

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

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**Colonial Chemical Solutions, Inc**

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

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