

# SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

## SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

### PRODUCT

**Product Name:** PEG 1450  
**Control Number:** 00285  
**Product Description:** Polyethylene Glycol

### 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 ]

[ Environmental ]

[ Physical ]

Not a hazardous substance or mixture.

### GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

### Pictograms

**Signal Word:** Warning

**Hazard statement(s)**

**Precautionary statement(s)**

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Polyethylene Glycol	25322-68-3	100

## SECTION 4 - FIRST AID MEASURES

### FIRST AID PROCEDURES:

**Eye Contact:** Flush eyes with water as a precaution.

**Skin Contact:** Wash with soap and water.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration.

**Ingestion:** Wash out mouth with water.

## 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:** This material poses no fire or explosion hazards.

# SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

## SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

**Spills:** Evacuate all non-essential personnel from the spill area. Ensure adequate ventilation. Suitable protective clothing should be worn. Shut off or plug source of spill. Wear respiratory protection. Avoid dust formation. Avoid breathing dust.  
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7 · STORAGE AND HANDLING

**Handling:** Do not get in eyes, on skin or on clothing. Do not breathe dust, vapors or mists.  
**Storage:** Keep container closed and tightly sealed when not in use. Use good hygiene practices. Store in a cool, dry, ventilated area, away from incompatible substances. Store only in approved properly labeled containers.

## 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:** Polyethylene Glycol 10 mg/m<sup>3</sup> ACGIH; No OSHA data

### 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.

**Other Equipment:** Eye wash station and shower in close proximity to use are advised.

## SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

**Flash Point:** 475 °F

**Autoignition Temperature:** No available data

**Boiling Point:** 392 °F

**Melting Point:** 108-115 °F

**Vapor Pressure:** <0.1 mmHg

**Vapor Density (Air-1):** > 10

**Odor/Appearance:** Clear viscous liquid with alcohol odor

**Flammability Limits:** Not applicable

**Specific Gravity:** 1.092

**Volatile %:** No available data

**Evaporation Rate (Water = 1):** 1

**pH:** 4.5-7.5

**Solubility in Water:** 72 %

## SECTION 10 · STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal use and temperature conditions.

**Conditions to Avoid:** None known.

**Incompatible materials:** Strong oxidizing agents.

**Decomposition Products:** When combusted, oxides of carbon and various hydrocarbons.

# SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

## SECTION 11 · TOXICOLOGICAL INFORMATION

### Signs and Symptoms of Overexposure:

**Skin:** Brief contact is not irritating. Prolonged contact, as with clothing wetted with material, may cause defatting of skin or irritation, seen as local redness with possible mild discomfort.

**Eyes:** May cause irritation, experienced as mild discomfort and seen as slight excess redness of the eye.

**Inhalation:** Vapors or mist in high concentrations, as generated from spraying or heating, may cause minimal irritation

**Ingestion:** If swallowed in large quantities, abdominal discomfort, nausea, and diarrhea are expected.

### Acute oral toxicity:

LD50 rat: > 5.0 g/kg

### Acute inhalation toxicity:

Believed to be practically non-toxic

### Acute dermal toxicity:

LD50 rabbit: > 2.0 g/kg

## SECTION 12 · ECOLOGICAL INFORMATION

**Aquatic Toxicity:** Leuciscus idus (Golden orfe) - > 500 mg/l - 96 h

**Bio-accumulative potential:** Does not accumulate.

**Mobility:** Not determined

## 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.

## 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:**

# SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

## SECTION 15 · REGULATORY INFORMATION

### US FEDERAL REGULATIONS

#### 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.

**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:

No SARA hazards.

**SARA Section 313 (40 CFR 372) Hazard Categories:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Water Act:** This product does not contain any chemical components that are listed under the CWA.

**Clean Air Act:** This product does not contain any chemical components 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

**SDS Revision Date:** May 2015

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

**Health:** 0

**Flammability:** 1

**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 SDS and its contents from that originally submitted by Colonial.