

# SAFETY DATA SHEET

## SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

### PRODUCT

**Product Name:** HEXYLENE GLYCOL

**Control Number:** 00190

**Product Description:** Pentene Diol

### COMPANY IDENTIFICATION

**Supplier:** Chemical Distribution Solutions

1125 Oak St. Ste. 303

Conway, AR 72032

**24 Hour Emergency Telephone:** (800) 424-9300 CHEMTREC

**General Information:** (501) 978-1111

## SECTION 2- HAZARDS IDENTIFICATION

### GHS Classification:

#### [ Health ]

Skin irritation Category 2

Eye irritation Category 2A

#### [ Environmental ]

None

#### [ Physical ]

None

### GHS Label elements, including precautionary statements

#### Pictograms



**Signal Word:** Warning

#### Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

#### Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

## SECTION 3 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
2-Methylpentane-2,4-diol	107-41-5	100%

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## SECTION 4 - FIRST AID MEASURES

**Eyes:** Immediately flush eyes with plenty of water. 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. Get medical attention if symptoms occur.

**Inhalation:** Move exposed person to fresh air. Keep person warm and at rest. If not breathing provide artificial respiration. Get medical attention if symptoms occur.

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

## SECTION 5 - FIRE FIGHTING MEASURES

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

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

**Fire and Explosion Hazards:** This material is not expected to pose a fire or explosion hazard.

## 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 drains. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## SECTION 7 - STORAGE AND HANDLING

**Handling and Storage:** Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist.

**Other Precautions:** Keep in the original container, kept tightly closed when not in use

## 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:** 2-Methylpentane-2,4-diol 25 ppm ACGIH 25 ppm OSHA

### 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

**Flash Point:** 201 °F  
**Autoignition Temperature:** No available data  
**Boiling Point:** 387 °F  
**Melting Point:** -40 °F  
**Vapor Pressure:** <0.1 mmHg  
**Vapor Density (Air-1):** 4.0  
**Odor/Appearance:** Clear colorless liquid with mild odor

**Flammability Limits:** Lower: 1 Upper: 7  
**Specific Gravity:** 1.12  
**Volatile %:** No available data  
**Evaporation Rate (BuAc=1):** No available data  
**pH:** 6.0 - 8.0 at 118.2 g/l  
**Solubility in Water:** miscible

## SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal use and temperature conditions.  
**Conditions to Avoid:** Keep away from moisture.  
**Materials to Avoid:** Strong acids, Strong oxidizing agents, Strong reducing agents.  
**Decomposition Products:** When combusted, oxides of carbon and various hydrocarbons.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Signs and Symptoms of Overexposure:

**Skin:** Causes moderate skin irritation with redness and swelling. May cause dermatitis.  
**Eyes:** Direct contact with liquid causes moderate to severe eye irritation experienced as discomfort, pain.  
**Inhalation:** May cause irritation of the respiratory tract with mild burning sensation in the nose, throat and lungs.  
**Ingestion:** May cause digestive tract (mouth, throat, and esophagus) irritation. May cause nausea, vomiting and diarrhea.

### Acute oral toxicity:

LD50 rat: 3,700 mg/kg

### Acute inhalation toxicity:

LC50: No available data

### Acute dermal toxicity:

LD50 rabbit: 7,892 mg/kg

## SECTION 12 - ECOLOGICAL INFORMATION

**ECOTOXICITY:** Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 10,700 mg/l - 96 h  
**Bio-accumulative potential:** No available published data.  
**Mobility:** No available published data.

## 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:**

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## SECTION 15 · REGULATORY INFORMATION

### US FEDERAL REGULATIONS

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

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:**

Acute Health Hazard, Chronic Health Hazard

**SARA Section 313 (40 CFR 372) Hazard Categories:** SARA 313: 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:** None of the chemicals in this product are listed as Hazardous Substances under the CWA

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

**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:** 2

**Flammability:** 1

**Reactivity:** 0

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which Chemical Distribution Solutions assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.