

SAFETY DATA SHEET



Colonial Chemical Solutions, Inc

SECTION 1 · COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: HEXYLENE GLYCOL

Control Number: 00190

Product Description: Pentene Diol

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]

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	Flammability Limits: Lower: 1 Upper: 7
Autoignition Temperature: No available data	Specific Gravity: 1.12
Boiling Point: 387 °F	Volatile %: No available data
Melting Point: -40 °F	Evaporation Rate (BuAc=1): No available data
Vapor Pressure: <0.1 mmHg	pH: 6.0 - 8.0 at 118.2 g/l
Vapor Density (Air-1): 4.0	Solubility in Water: miscible
Odor/Appearance: Clear colorless liquid with mild odor	

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 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.