



**Synergy  
Semiochemicals  
Corporation**

# Safety Data Sheet

## 2,3-hexanediol

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	2,3-hexanediol
<b>Other Means of Identification</b>	N/A
<b>Recommended Use</b>	Pheromone release device
<b>Restrictions on Use</b>	Not for household usage
<b>Initial Supplier Identifier</b>	Synergy Semiochemicals Corporation 7572 Progress Way Delta, British Columbia, Canada V4G 1E9
	For Information: (604) 454-1122
<b>Emergency Telephone Number</b>	CANUTEC @ 1-(613)-996-6666

### SECTION 2. HAZARD IDENTIFICATION

<b>Classification</b>	H226: Flammable liquid and vapor H315: Causes skin irritation H319: Causes serious eye irritation H335: May cause respiratory irritation
<b>Label Elements</b>	N/A
<b>Other Hazards</b>	N/A

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Hexane-2,3-diol	617-30-1	N/A	N/A	N/A

**Notes** Chemicals are inside a sealed plastic release device.

## SECTION 4. FIRST-AID MEASURES

<b>Inhalation</b>	Remove victim from area to fresh air. Seek medical attention if irritation persists.
<b>Skin Contact</b>	Wash area well with soap and warm water. Seek medical attention if irritation persists.
<b>Eye Contact</b>	Wash eyes with water or saline solution for at least 15 minutes and seek medical attention.
<b>Ingestion</b>	Plastic release device is unlikely to be ingested. Give water or milk to dilute and consider medical attention if large quantities ingested. Do not induce vomiting.
<b>Most Important Symptoms and Effects, Acute and Delayed</b>	Irritation to skin and mucous membranes.
<b>Immediate Medical Attention and Special Treatment</b>	Treat symptomatically and supportively.

## SECTION 5. FIRE-FIGHTING MEASURES

<b>Extinguishing Media</b>	
<b>Suitable Extinguishing Media</b>	Dry powder fire extinguisher, carbon dioxide fire extinguisher.
<b>Unsuitable Extinguishing Media</b>	<b>Water.</b>
<b>Specific Hazards Arising from the Product</b>	<b>Fumes from combusting plastic membrane may be irritant or toxic.</b>
<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	No data

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment, and Emergency Procedures</b>	If devices are intact, no special precautions required. If devices have been punctured or are leaking, latex or vinyl gloves are recommended.
<b>Methods for Containment and Cleaning Up</b>	Collect devices for disposal in domestic garbage. Any liquid present that has leaked out may be absorbed with vermiculite or other spill kit. Wash area with soap and water.

## SECTION 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Handle with latex or vinyl gloves, wash hands after handling devices.
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Conditions for Safe Storage

Store away from children and pets in sealed container in a cool, dry place.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
Hexane-2,3-diol	N/A	N/A	N/A	N/A

Notes No data for exposure limits.

Appropriate Engineering Controls N/A

Individual Protection Measures

Eye/Face Protection Safety glasses.

Skin Protection Organic-resistant gloves as appropriate.

Respiratory Protection Ventilated area as required for personal comfort.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear to yellow liquid with characteristic odor packaged in release device

Odour N/D

Odour Threshold N/D

pH N/A

Melting Point and Freezing Point N/A

Initial Boiling Point and Boiling Range 204C

Flash Point 98C

Evaporation Rate N/D

Flammability (solid, gas) N/D

<b>Upper and Lower Flammability or Explosive Limit</b>	N/D
<b>Vapour Pressure</b>	N/D
<b>Vapour Density (air = 1)</b>	>1
<b>Relative Density (water = 1)</b>	0.958
<b>Solubility in Water</b>	Insoluble.
<b>Solubility in Other Liquids</b>	Soluble in alcohol, acetone, ether, petroleum ether.
<b>Partition Coefficient, n-Octanol / Water (Log Kow)</b>	N/A
<b>Auto-ignition Temperature</b>	N/D
<b>Decomposition Temperature</b>	N/D
<b>Viscosity</b>	N/D

## SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	N/D
<b>Chemical Stability</b>	N/D
<b>Possibility of Hazardous Reactions</b>	None.
<b>Conditions to Avoid</b>	Strong oxidising agents, chlorinating agents, extreme temperature.
<b>Incompatible Materials</b>	See above.
<b>Hazardous Decomposition Products</b>	Oxides of carbon.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation    Skin contact    Eye contact    Ingestion

### Acute Toxicity

<b>LC50</b>	<b>N/D</b>
<b>LD50 (oral)</b>	<b>N/D</b>

**LD50 (dermal)** N/D

**Notes**

**Skin Corrosion / Irritation** N/D

**Serious Eye Damage / Irritation** N/D

**STOT (Specific Target Organ Toxicity) - Single Exposure** N/D

**Aspiration Hazard** N/D

**STOT (Specific Target Organ Toxicity) - Repeated Exposure** N/D

**Respiratory and/or Skin Sensitization** Possible with repeated exposure.

#### **Carcinogenicity**

<b>Chemical Name</b>	<b>IARC</b>	<b>ACGIH®</b>	<b>OSHA</b>
Hexane-2,3-diol	No	No	No

**Notes**

#### **Reproductive Toxicity**

**Development of Offspring** N/A

**Sexual Function and Fertility** N/A

**Effects on or via Lactation** N/A

**Germ Cell Mutagenicity** N/A

**Interactive Effects** N/A

## **SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** None.

**Persistence and Degradability** N/D

**Bioaccumulative** None.

**Potential**

**Mobility in Soil** N/D

**Other Adverse Effects** None.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Methods** Dispose of in residential garbage as non-hazardous waste.

**SECTION 14. TRANSPORT INFORMATION**

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
N/D	N/D	N/D	N/D	N/D	N/D

**Special Precautions** None.

**Environmental Hazards** N/A

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code** N/A

**SECTION 15. REGULATORY INFORMATION**

**Safety, Health and Environmental Regulations** N/A

**SECTION 16. OTHER INFORMATION**

**Date of Latest Revision** August 26th, 2019