



Health
Fire
Reactivity
Personal Protection

SAFETY DATA SHEET

(2S,5S)-Hexane-2,5-diol

Section 1: Chemical Product and Company Identification

ID: H68605	Contact Information:
Name: (2S,5S)-Hexane-2,5-diol	Synthonix, Inc. 2713 Connector Drive Wake Forest, NC 27587
CAS: 34338-96-0	Ph: 1-919-875-9277
RTECS:	
TSCA: Not TSCA regulated	CHEMTREC (24HR EMERGENCY TELEPHONE), call: 1-800-424-9300
Synonym:	
Alt Name:	International CHEMTREC, call: 1-703-527-3887
Chemical Formula: C ₆ H ₁₄ O ₂	

Section 2: Hazards Identification

GHS Label elements, including precautionary statements:

Pictogram



Hazard statement(s)

H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

Precautionary statement(s)

P261 - Avoid breathing dust/fumes/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Signal Word: Warning

SDS

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Section 3: Composition

Composition:

Name:	CAS #	% by Weight
(2S,5S)-Hexane-2,5-diol	34338-96-0	100%

Section 4: First Aid Measures

Eye Contact:

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Skin Contact:

In case of contact, immediately wash skin with soap and copious amounts of water.

Serious Skin Contact:

In case of contact, immediately wash skin with soap and copious amounts of water. Seek medical attention immediately.

Inhalation:

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Serious Inhalation:

Not available

Ingestion:

If swallowed, wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse.

Serious Ingestion:

Not available

Section 5: Fire and Explosion Data

Flammability of the Product: Not available

Auto-Ignition Temperature: Not available

Flash Point: Not available

Flammable Limit: Not available

Products of Combustion: Not available

Fire Hazards in Presence of Various Substances: Not available

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available

Risks of explosion of the product in presence of static discharge: Not available

Fire Fighting Media and Instructions: N/A

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Special Remarks on Fire Hazards:

Not available

Special Remarks on Explosion Hazards:

Not available

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:

Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:

Storage: Keep container tightly closed. Keep container in a cool refrigerated, well-ventilated area. Moisture sensitive.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

Not available.

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Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid

Odor: Not available.

Taste: Not available.

Molecular Weight: 118.17g/mole

Color:

pH (1% soln/water): Not available.

Boiling Point: Not available.

Melting Point: Not available.

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:

Not available.

Section 10: Stability and Reactivity Data

Stability: Not available.

Instability Temperature: Not available.

Conditions of Instability:

Excess heat, incompatible materials, moisture. May decompose on contact with moist air or water.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:

Not available.

Special Remarks on Corrosivity:
Not available.

Polymerization: Not available.

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Section 11: Toxicological Information
Routes of Entry: Unknown. Toxicity to Animals: Not available. Chronic Effects on Humans: Not available. Other Toxic Effects on Humans: Not available. Special Remarks on Toxicity to Animals: Not available. Special Remarks on Chronic Effects on Humans: Not available. Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information
Ecotoxicity: Not available. BOD5 and COD: Not available. Products of Biodegradation: Unknown Toxicity of the Products of Biodegradation: Not available.

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Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not regulated by IATA
Identification:
Not available.

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Not Available.

Other Regulations: Not Available.
Other Classifications:
WHMIS (Canada):
Not Available.

DSCL (EEC):
Not Available.

HMIS (U.S.A.):
Health Hazard:
Fire Hazard:
Reactivity:
Personal Protection:

SDS

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National Fire Protection Association (U.S.A.):
Health:
Fire:
Reactivity:
Specific Hazard: N/A
Protective Equipment:
N/A

Section 16: Other Information

References: N/A

Other Special Considerations: N/A

Created: 11/30/2020

Last Updated: 11/30/2020

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