





SDS #: 292

Revision Date: March 25, 2014

## Cyclohexene Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Cyclohexene

Signal Word  
**DANGER**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtrec Emergency Phone Number: (800) 424-9692

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Flammable liquids (Category 2). Highly flammable liquid and vapor (H225). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210).



Hazard class: Aspiration hazard (Category 1). May be fatal if swallowed and enters airways (H304).



Hazard class: Acute toxicity, dermal (Category 3). Toxic in contact with skin (H311). Do not eat, drink or smoke when using this product (P270).



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Cyclohexene	110-83-8	C <sub>6</sub> H <sub>10</sub>	82.15	
Synonyms: Tetrahydrobenzene				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin or hair:** Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).

**If swallowed:** Immediately call a POISON CENTER or physician (P301+P310). Do NOT induce vomiting (P331). Remove immediately all contaminated clothing (P361). Wash contaminated clothing before reuse (P363).

### SECTION 5 — FIRE FIGHTING MEASURES

Class IB flammable liquid.

Flash point: -7 °C Flammable limits: Lower: 1% Upper: 5% Autoignition Temperature: 244 °C

NFPA Code

H-1

F-3

R-0

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher P370+P378).

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## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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Sweep up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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## SECTION 7 — HANDLING AND STORAGE

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Flinn Suggested Chemical Storage Pattern: Organic #3. Store with hydrocarbons, oils, esters and aldehydes. Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor™ can. May form explosive peroxides. Keep container tightly closed (P233). Keep cool (P235). Ground or bond container and receiving equipment (P240). Use explosion-proof electrical and ventilating equipment (P241). Use only non-sparking tools (P242).

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## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling. Exposure guidelines: PEL/TLV 300 ppm (OSHA/ACGIH)

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## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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Clear liquid. Strong paint thinner-like odor.	Boiling point: 83 °C
Soluble: Alcohol. Insoluble in water.	Melting point: -103.5 °C
	Refractive index: 1.4465
	Specific gravity: 0.811

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## SECTION 10 — STABILITY AND REACTIVITY

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Avoid any source of ignition and avoid oxidizing agents.

Shelf life: Poor. Substance may form explosive peroxides. Avoid prolonged storage. See Section 7 for further information.

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## SECTION 11 — TOXICOLOGICAL INFORMATION

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Acute effects: Irritant, nausea, dizziness, and headache.	ORL-RAT LD <sub>50</sub> : 2400 uL/kg
Chronic effects: N.A.	IHL-RAT LC <sub>50</sub> : greater than 6370 ppm/4H
Target organs: N.A.	SKN-GPG LD <sub>50</sub> : greater than 20 mL/kg

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## SECTION 12 — ECOLOGICAL INFORMATION

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Data not yet available.

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## SECTION 13 — DISPOSAL CONSIDERATIONS

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #18b is one option.

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## SECTION 14 — TRANSPORT INFORMATION

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Shipping name: Cyclohexene. Hazard class: 3, Flammable liquid. UN number: UN2256.

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## SECTION 15 — REGULATORY INFORMATION

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TSCA-listed, EINECS-listed (203-807-8), RCRA code D001.

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## SECTION 16 — OTHER INFORMATION

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FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

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