

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 379.00

Revision Date: April 28, 2011

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### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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#### Helium Gas

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

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### SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

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Helium gas

CAS#: 7440-59-7

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### SECTION 3 — HAZARDS IDENTIFICATION

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Colorless gas. Odorless.

Asphyxiate by displacing air. Otherwise, substance is not considered hazardous.

#### FLINN AT-A-GLANCE

Health-0

Flammability-0

Reactivity-0

Exposure-0

Storage-0

0 is low hazard, 3 is high hazard

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### SECTION 4 — FIRST AID MEASURES

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Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.

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### SECTION 5 — FIRE FIGHTING MEASURES

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Nonflammable gas.

Pressurized gas. Keep from heat.

#### NFPA CODE

None  
established

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### SECTION 6 — ACCIDENTAL RELEASE MEASURES

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Allow gas to dissipate.

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### SECTION 7 — HANDLING AND STORAGE

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Store with the bottled gases in a secure area.

Cylinder temperature should not exceed 125 °F (52 °C)

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### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and a chemical-resistant apron.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Colorless, odorless gas.  
Formula: He  
Formula weight: 4.00

Boiling point: -268 °C  
Melting point: -272 °C  
Specific gravity: 0.1785

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with heat.  
Shelf life: Indefinite, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Nausea, dizziness, headache.  
Chronic effects: N.A.  
Target organs: N.A.

ORL-RAT LD<sub>50</sub>: N.A.  
IHL-RAT LC<sub>50</sub>: N.A.  
SKN-RBT LD<sub>50</sub>: N.A.

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

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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.  
One option is to completely empty the cylinder in one operating fume hood or outdoors. Then dispose of empty cylinder in trash if non-refillable.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Helium, compressed  
Hazard class: 2.2, Nonflammable gas  
UN number: UN1046  
N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (231-168-5).

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**SECTION 16 — OTHER INFORMATION**

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