



Cambridge Isotope Laboratories, Inc.
50 Frontage Road
Andover, MA 01810

Number:
Issue Date

XELM-8986
09/20/11

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MATERIAL SAFETY DATA SHEET

1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Description XENON (134XE, 99%)

Cambridge Isotope Laboratories, Inc.
50 Frontage Rd
ANDOVER, MA 01810
USA

E-mail cilsales@isotope.com
Web Site www.isotope.com

Phone Numbers

Emergency Contact Chemtrec
Emergency Phone 1-800-424-9300 (24 hours)

Customer Service 1-800-322-1174 (8:30-5:30 EST)
Phone
Transportation 1-202-483-7616 (24 hours)

2 HAZARDS IDENTIFICATION

OSHA Hazards

No known OSHA hazards

GHS Label Information

Signal Word Warning

Hazards Identification

Gas cylinder

Hazard Statement(s)

None

Precautionary Statement(s)

Store in a well-ventilated place.
Use personal protective equipment as required.

HMIS Ratings

Physical 0
Flammability 0
Health 0



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NFPA Codes

Fire	0
Health	0
Reactivity	0

Potential Health Effects

Eyes	Causes eye irritation.
Ingestion	May be harmful if swallowed.
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through the skin. Causes skin irritation.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Composition / Information on Ingredients

Chemical Formula	Xe
Molecular Weight	133.90
CAS No.	7740-63-3 (unlabeled)
EC No.	231-172-7

4 FIRST AID MEASURES

First Aid Measures

Eyes	Flush eyes with water as a precaution.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation	If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin	Wash with soap and plenty of water. Consult a physician.

5 FIRE FIGHTING MEASURE

Fire Fighting Measures

Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
General Hazard	The product itself does not burn.
Fire Fighting Equipment	Wear self contained breathing apparatus for fire fighting if necessary.



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6 ACCIDENTAL RELEASE MEASURES

Accidental Release Measures

Personal Precautions	Avoid breathing vapors, mist, or gas.
Environmental Precautions	Do not empty into drains.
Methods and materials for containment and cleanup	Wipe up with absorbent material (e.g. cloth, fleece).

7 HANDLING AND STORAGE

Conditions for Safe Storage

Storage	Keep container tightly closed in a dry and well-ventilated place.
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8 EXPOSURE CONTROL / PERSONAL PROTECTION

Personal Protection

Eyes - Face	Wear safety glasses.
Respiratory	When appropriate, use NIOSH/CEN approved respirator.
Protective Clothing	Wear suitable protective clothing and gloves.
Work Hygienic Practices	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties (Unlabeled Compound)

Form	Gaseous
pH	No data available
Melting Point	No data available
Boiling Point	No data available



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Flashpoint	Not applicable
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Solubility in Water	No data available
Auto Ignition Temperature	No data available

10 STABILITY AND REACTIVITY

Stability and Reactivity

Chemical Stability Stable if stored under recommended conditions.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity

Serious No data available
Damage/Eye
Irritation

Skin No data available
Corrosion/Irritation

Inhalation No data available

Respiratory or Skin Not available
Sensitization

IARC No component of this product present at levels greater than or equal to 0.1% is identifiable as probable, possible, or confirmed human carcinogen by IARC.

ACGIH No component of this product present at levels greater than or equal to 0.1% is identifiable as a carcinogen or potential carcinogen by ACGIH.

NTP *** - STATEMENT 942 ***

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12 ECOLOGICAL INFORMATION

Toxicity

Persistence and Not available
Degradability



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Other Adverse Not available
Effects

13 DISPOSAL CONSIDERATIONS

Disposal Considerations

Product Disposal Waste materials should be disposed of under conditions which meet Federal, State, and Local environmental control regulations.

14 TRANSPORT INFORMATION

Transportation Information-DOT/IATA/IMDG

UN Number 2036
Prop. Ship. Name Xenon, compressed
Hazard Class 2.2
Marine Pollutant No
Poison Inhalation No
Hazard

15 REGULATORY INFORMATION

Regulatory Information

No known OSHA hazards.

SARA

Sara 302 No chemicals in this material are subject to the reporting requirements.
Component
Sara 313 No chemicals in this material are subject to the reporting requirements.
Component

STATE REGULATIONS

Massachusetts No
Right to Know
Pennsylvania Right Yes
to Know
New Jersey Right Yes
to Know

California This product does not contain any chemicals known to State of California to cause cancer, birth
Proposition 65 defects, or any other reproductive harm.



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Canada

DSL Status All components are on the Canadian DSL list.

Safety Statements

Keep container in a well-ventilated place.

In case of insufficient ventilation wear suitable respiratory equipment.

Risk Statements

None

16 OTHER INFORMATION

Additional MSDS
Information

This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Approved On
Version Number

09/20/11
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