



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

Number:
Issue Date

ULM-8155
02/01/11

Page 1 of 7

MATERIAL SAFETY DATA SHEET

1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Description BENZO[C]PHENANTHRENE UNLABELED

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
Irritant

GHS Label Information

Signal Word Warning

Hazards Identification
Exclamation mark

Hazard Statement(s)
Harmful if inhaled.
Harmful if swallowed or in contact with skin.
Causes skin and eye irritation.
May cause respiratory irritation.

Precautionary Statement(s)
Dispose of contents/container to an approved waste disposal plant.
Wear protective gloves/protective clothing/eye protection/face protection.

HMIS Ratings
Physical 0



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

Number:
Issue Date

ULM-8155
02/01/11

Page 2 of 7

MATERIAL SAFETY DATA SHEET

Flammability 0
Health 2

NFPA Codes

Fire 0
Health 2
Reactivity 0

Potential Health Effects

Eyes Causes eye irritation.
Ingestion May be harmful if swallowed.
Inhalation May be harmful if inhaled. Causes 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 C₁₈H₁₂
Molecular Weight 228.29
CAS No. 195-19-7
EC No. 205-896-9

4 FIRST AID MEASURES

First Aid Measures

Eyes Flush eye with water for 15 minutes. Get medical attention.
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.
Additional Information Move out of dangerous area. Consult a physician and show this safety data sheet.

5 FIRE FIGHTING MEASURE

Fire Fighting Measures

Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.



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

Number:
Issue Date

ULM-8155
02/01/11

Page 3 of 7

MATERIAL SAFETY DATA SHEET

Fire Fighting Equipment Wear self contained breathing apparatus for fire fighting if necessary.

6 ACCIDENTAL RELEASE MEASURES

Accidental Release Measures

Personal Precautions Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental Precautions Do not empty into drains.

Methods and materials for containment and cleanup Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Precautions for Safe Handling

Handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for Safe Storage

Storage Store at room temperature away from light and moisture.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

Personal Protection

Eyes - Face Wear safety glasses with side shields (or goggles) and a face shield.

Skin Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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.



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

Number:
Issue Date

ULM-8155
02/01/11

Page 4 of 7

MATERIAL SAFETY DATA SHEET

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties (Unlabeled Compound)

Form	Solid
pH	No data available
Melting Point	68 °C (154 °F)
Boiling Point	No data available
Flashpoint	No data available
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.
Hazardous decomposition products	Formed under fire conditions : Carbon oxides
Materials to avoid	Strong oxidizing agents

11 TOXICOLOGICAL INFORMATION

Acute Toxicity

Serious Damage/Eye Irritation	No data available
Skin Corrosion/Irritation	No data available
Inhalation	No data available
Respiratory or Skin Sensitization	Not available



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

Number:
Issue Date

ULM-8155
02/01/11

Page 5 of 7

MATERIAL SAFETY DATA SHEET

Germ Cell Mutagenicity	Genotoxicity in vitro - Human - lymphocyte Mutation in mammalian somatic cells.
	Genotoxicity in vitro - Human - mammary gland DNA damage
	Genotoxicity in vivo - mouse - Skin DNA damage
Genotoxicity in vivo Mouse	Skin - DNA damage
IARC ACGIH	3 - Group 3: not classifiable as to its carcinogenicity to humans. 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	No component of this product present at levels greater than or equal to 0.1 % is identified as a known or anticipated carcinogen by NTP.
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.
Reproductive Toxicity	Not available

Signs and Symptoms of Exposure

The chemical, physical, and toxicological properties have not been thoroughly investigated.

Other Information

RTECS DI8225000

12 ECOLOGICAL INFORMATION

Toxicity

Persistence and Degradability	Not available
Bioaccumulative Potential	Not available
Mobility in Soil	Not available
PBT and vPvB Assessment	Not available
Other Adverse Effects	Not available



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

Number:
Issue Date

ULM-8155
02/01/11

Page 6 of 7

MATERIAL SAFETY DATA SHEET

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

Special Shipping Not dangerous goods.
Notes

15 REGULATORY INFORMATION

Regulatory Information

Irritant

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

SARA 311/312 Hazards

Acute (Y/N) Y

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.

Canada



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

Number:
Issue Date

ULM-8155
02/01/11

Page 7 of 7

MATERIAL SAFETY DATA SHEET

DSL Status No
EU
Hazard Harmful

Safety Statements

For waste disposal purposes, this product is not know to be defined or designated as hazardous by current provisions of the Federal (EPA) resource Conservation and Recovery Act (RCRA, 40CFR261).
Wear suitable gloves and eye/face protection.

Risk Statements

Harmful by inhalation, in contact with skin and if swallowed.
Irritating to eyes, respiratory system and skin.

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 02/01/11
Version Number 1