

# SDS

## SAFETY DATA SHEET

Oakwood Products, Inc  
 730 Columbia HWY N  
 Estill, SC 29918  
[www.oakwoodchemical.com](http://www.oakwoodchemical.com)

Phone Numbers:

Product Information	803-739-8800
Transportation Emergency	800-451-8346
Outside the USA	760-602-8700

### MATERIAL IDENTIFICATION

NAME: **Helium**  
 CAS#: [7440-59-7 ]  
 CAT#: 098392  
 For R&D use only.

### HAZARDS IDENTIFICATION

**GHS Classification**  
 Gases under pressure (Compressed gas)

**GHS Label elements, including precautionary statements**

Pictograms



Signal Word                      Warning

Hazard Statement(s)  
 H280                              Contains gas under pressure; may explode if heated

Precautionary Statement(s)  
 P410 + P403                      Protect from sunlight. Store in a well-ventilated place.

### COMPOSITION/INFORMATION ON INGREDIENTS

Formula                              : He  
 Molecular Weight                : 4.00

CAS	Description	Concentration
7440-59-7	Helium	

### FIRST AID MEASURES

**In case of eye contact**

Immediately flush eyes with running water for at least 15 minutes while keeping eyes open. Seek medical attention.

**In case of skin contact**

Wash thoroughly with soap and plenty of water. Seek medical attention.

**If inhaled**

Remove victim from source of exposure to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

**If swallowed**

Do not induce vomiting. Give water to victim to drink. Seek medical attention.

---

**FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Use carbon dioxide, dry chemical powder, alcohol-resistant or polymer foam.

**Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual fire and explosion hazards/decomposition of product**

emits toxic fumes under fire conditions.

---

**ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Use personal protective equipment. Avoid breathing fumes, vapors, mists or gas. Ventilate area. Remove all sources of ignition. Evacuate personnel.

**Environmental precautions**

Prevent further leakage if safe to do so.

**Methods and materials for containment and clean up**

Absorb spills on sand or vermiculite and place in closed container for disposal.

---

**HANDLING AND STORAGE**

**Precautions for safe handling**

Avoid prolonged use. Avoid all direct contact with material. Do not breathe dust or vapor. Wash thoroughly after handling.

**Precautions for safe storage**

Keep container tightly closed. Store in a cool, dry, well-ventilated area.

---

**EXPOSURE CONTROL/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

**Eye/face protection**

Wear protective safety goggles or face shields tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

#### Hand/skin protection

Avoid all direct contact with product.  
Wear chemical-resistant gloves.  
Wear protective clothing and boots.  
After contact with skin, wash immediately.

#### Respiratory protection

Ensure adequate ventilation during use. Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the exposure limits.

---

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Odour	no data available
Odour Threshold	no data available
Melting point/Freezing Point	-272-273°C
Boiling Point	-268-269°C
Flash Point	no data available
Evaporation Rate	no data available
Flammability (solid, gas)	no data available
Upper/Lower Flammability or Explosive limits	no data available
Vapour pressure	no data available
Relative Density	no data available
Solubility(ies)	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Refractive Index	no data available

---

## STABILITY AND REACTIVITY

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

no data available

#### Conditions to avoid

no data available

#### Incompatible materials

Strong oxidizing agents.

#### Hazardous decomposition products

May evolve

---

## TOXICOLOGICAL INFORMATION

**Acute toxicity**  
no data available

**Skin corrosion/irritation**  
no data available

**Serious eye damage/eye irritation**  
no data available

**Respiratory or skin sensitization**  
no data available

**Germ cell mutagenicity**  
no data available

**Carcinogenicity**  
no data available

**Reproductive toxicity**  
no data available

**STOT-single exposure**  
no data available

**STOT-repeated exposure**  
no data available

**Aspiration hazard**  
no data available

**Exposure Routes**

**Additional Information**  
RTECS: MH6520000

To the best of our knowledge, the health hazards of this material have not been fully investigated.

---

## ECOLOGICAL INFORMATION

**Toxicity**  
no data available

**Persistence and degradability**  
no data available

**Bioaccumulative potential**  
no data available

**Mobility in soil**  
no data available

**PBT and vPvB assessment**  
no data available

**Other adverse effects**

no data available

---

**DISPOSAL CONSIDERATIONS**

Dissolve in or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local laws.

---

**TRANSPORT INFORMATION****DOT**

Helium, compressed

2.2

UN1046

**IMDG**

Helium, compressed

2.2

UN1046

EMS-No: F-C, S-V

**IATA**

Helium, compressed

2.2

UN1046

---

**REGULATORY INFORMATION****SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

**New Jersey Right to Know Components**

This product contains a chemical on the New Jersey Right to Know Components List.

Helium

**CAS**

7440-59-7

**California Prop. 65 Components**

This product may contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

---

**OTHER INFORMATION**

Version : 1.3

Revision Date : 1/8/2015

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Oakwood shall not be held liable for any damage resulting from handling or from contact with the above product.

