

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Helium Spectrum Tube

Synonyms/Generic Names: Helium

SDS Number: PH1196B3

Product Use: For Educational Use Only

| |
|--|
| Information Contact: Electronic Instrumentation |
| 12 Mahesh Nagar |
| Ambala Canitt 133001 INDIA +91-171-2662797 |

2. HAZARDS IDENTIFICATION

OSHA Hazards:

Target Organs: None

Signal Words: None

Pictograms: None

GHS Classification:

| | |
|--|--|
| Not a dangerous substance according to GHS | |
|--|--|

GHS Label Elements, including precautionary statements: None

Hazard Statements:

| | |
|------|--|
| None | |
|------|--|

Precautionary Statements:

| | |
|------|--|
| None | |
|------|--|

Potential Health Effects

| | |
|-------------------|------|
| Eyes | None |
| Inhalation | None |
| Skin | None |

| | |
|-----------|------|
| Ingestion | None |
|-----------|------|

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | Weight % | CAS # | Formula | Molecular Weight |
|-----------|----------|-----------|---------|------------------|
| Helium | 100% | 7440-59-7 | He | |

4. First-Aid Measures

| | |
|------------|-----|
| Eyes | n/a |
| Inhalation | n/a |
| Skin | n/a |
| Ingestion | n/a |

5. FIREFIGHTING MEASURES

| | |
|---|-----|
| Suitable (and unsuitable) extinguishing media | n/a |
| Special protective equipment and precautions for firefighters | n/a |
| Specific hazards arising from the chemical | n/a |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---|-----|
| Personal precautions, protective equipment and emergency procedures | n/a |
| Environmental precautions | n/a |
| Methods and materials for containment and cleaning up | n/a |

7. HANDLING AND STORAGE

Precautions for safe handling

See section 8 for recommendations on the use of personal protective equipment.

Conditions for safe storage, including any incompatibilities

Store in cool, dry well-ventilated area. Isolate from oxidizing materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls: Contains no substances with occupational exposure limit values.

Personal Protection

| | |
|-------------------|-----|
| Eyes | n/a |
| Inhalation | n/a |
| Skin | n/a |
| Ingestion | n/a |

Other Recommendations

Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-------------------------|
| Appearance (physical state, color, etc.) | Colorless gas |
| Odor | odorless |
| Odor threshold | n/a |
| pH | n/a |
| Melting point/freezing point | -272 degrees C |
| Initial boiling point and boiling range | -268 Degrees C |
| Flash point | n/a |
| Evaporation rate | n/a |
| Flammability (solid, gas) | n/a |
| Upper/lower flammability or explosive limit | n/a |
| Vapor pressure | n/a |
| Vapor density | n/a |
| Relative density | .1786g/L at 0 degrees C |
| Solubility (ies) | no |
| Partition coefficient: n-octanol/water | n/a |
| Auto-ignition temperature | n/a |
| Decomposition temperature | n/a |

10. STABILITY AND REACTIVITY

| | |
|---|--------|
| Chemical Stability | Stable |
| Possibility of Hazardous Reactions | n/a |
| Conditions to Avoid | n/a |
| Incompatible Materials | n/a |
| Hazardous Decomposition Products | n/a |

11. TOXICOLOGICAL INFORMATION

| | |
|---------------------------------------|-----|
| Acute Toxicity | n/a |
| Chronic Toxicity | n/a |
| Teratogenicity | n/a |
| Mutagenicity | n/a |
| Specific Target Organ Toxicity | n/a |
| Embryotoxicity | n/a |
| LD 50 | n/a |

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------------|-----|
| Persistence and Degradability | n/a |
| Bioaccumulative Potential | n/a |
| Mobility in Soil | n/a |
| PBT and vPvB Assessment | n/a |
| Other Adverse Effects | n/a |

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer to assure compliance.

14. TRANSPORTATION INFORMATION

| | |
|----------------------|---------------|
| Shipping Name | not regulated |
| Hazard Class | n/a |
| UN Number | n/a |

15. REGULATORY INFORMATION

| | |
|----------------------------------|---------------------|
| TSCA Inventory Status | |
| DSCL (EEC) | |
| California Proposition 65 | |
| SARA 302 | |
| WHMIS Canada | Uncontrolled |

16. OTHER INFORMATION

| Revision | Date |
|-----------------|-------------------|
| 1 | 07-31-2014 |
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