

---

## Section 1 - Chemical Product and Company Identification

**Product Name** Silica Gel HF254  
**Product Code** 29774  
**CAS No** 112926-00-8  
**Company Name** Sisco Research Laboratories Pvt. Ltd.  
**Address** 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Andheri (E), Mumbai - 400 099, India

## Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
112926-00-8	Silica gel 100-200 mesh	100	231-545-4

## Section 3 - Hazards Identification

Appearance: colorless to white solid.

**Caution!** Causes respiratory tract irritation. May cause eye and skin irritation.

**Target Organs:** Lungs.

### Potential Health Effects

**Eye:** Dust may cause mechanical irritation.

**Skin:** Dust may cause mechanical irritation.

**Ingestion:** May cause irritation of the digestive tract.

**Inhalation:** Dust is irritating to the respiratory tract.

**Chronic:** Prolonged or repeated skin contact may cause irritation.

## Section 4 - First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

**Ingestion:** Treat symptomatically and supportively. Get medical aid.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** None

## Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

---

# Safety Data Sheet

**Extinguishing Media:** Use extinguishing media most appropriate for the surrounding fire.

**Flash Point:** Not applicable.

**Autoignition Temperature:** Not applicable.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: 1; Flammability: 0; Instability: 0

## Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation.

## Section 7 - Handling and Storage

**Handling:** Minimize dust generation and accumulation. Use only with adequate ventilation. Avoid breathing dust.

**Storage:** Store in a tightly closed container. Store in a dry area.

## Section 8 - Exposure Control / Personal Protection

### Personal Protective Equipment

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand Protection:** The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

**Eye Protection:** Safety glasses

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

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Appearance:** colorless to white

**Odor:** odorless

**pH:** 2.3-7.4 (aqu. susp)

**Vapor Pressure:** Negligible.

## Safety Data Sheet

**Vapor Density:** Not available.  
**Evaporation Rate:** Not available.  
**Viscosity:** Not applicable.  
**Boiling Point:** 4046 deg F  
**Freezing/Melting Point:** 3110 deg F  
**Decomposition Temperature:** Not available.  
**Solubility:** Insoluble.  
**Specific Gravity/Density:** 2.1  
**Molecular Formula:** SiO<sub>2</sub>

### Section 10 - Stability and Reactivity

**Chemical Stability:** Stable.  
**Conditions to Avoid:** Moisture.  
**Incompatibilities with Other Materials:** Strong acids, hydrogen fluoride  
**Hazardous Decomposition Products:** No data available.  
**Hazardous Polymerization:** Will not occur.

### Section 11 - Toxicological Information

**Acute toxicity:** No data available  
**Irritation and corrosion:** No data available  
**Sensitisation:** No data available  
**Chronic exposure:** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### Signs And Symptoms

**Of Exposure:** No data available  
**Route Of Exposure**  
**Inhalation:** No data available  
**Skin :** No data available  
**Eyes:** No data available  
**Ingestion:** No data available

### Section 12 - Ecological Information

No information available.

### Section 13 - Disposal Considerations

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

---

**Contaminated packaging:** Dispose of as unused product

## Section 14 - Transport Information

**US DOT    Canada TDG**

**Shipping Name:** Not regulated as a hazardous material                      No information available.

**Hazard Class:**

**UN Number:**

**Packing Group:**

## Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.