



## Section 1 - Chemical Product and Company Identification

**Product Name** Carbinol electronic grade, 99.8%  
**Product Code** 68990  
**CAS No** 67-56-1  
**Use for** Laboratory Chemicals.  
**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:	%	EINECS#
67-56-1	Carbinol	<=100%	200-659-6

No components need to be disclosed according to the applicable regulations.

## Section 3 - Hazards Identification

### Risk advice to man and the environment

Toxic if swallowed. Very toxic in contact with skin. Irritating to eyes, respiratory system and skin.

## Section 4 - First Aid Measures

**Eyes:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin:** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Inhalation:** If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**Notes to Physician:**

## Section 5 - Fire Fighting Measures

### Extinguishing Media

**Suitable:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special Protective

**Equipment For Firefighters:**Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6 - Accidental Release Measures



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**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust.  
Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not  
let product enter drains.

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed  
containers for disposal.

## Section 7 - Handling and Storage

**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.

**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## 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



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- a) Appearance Form: liquid  
Colour: colourless
- b) Odour pungent
- c) Odour Threshold No data available
- d) pH No data available
- e) Melting point/freezing point - Melting point/range: -98 °C
- f) Initial boiling point and boiling range - 64.7 °C
- g) Flash point - 9.7 °C - closed cup
- h) Evaporation rate No data available
- i) Flammability (solid, gas) No data available
- j) Upper/lower - Upper explosion limit: 36 %(V)  
flammability orexplosive limits - Lower explosion limit: 6 %(V)
- k) Vapour pressure 97.7 mmHg at 20.0 °C  
410.0 mmHg at 50.0 °C  
169.27 hPa at 25.0 °C
- l) Vapour density 1.11
- m) Relative density 0.791 g/mL at 25 °C
- n) Water solubility completely miscible
- o) Partition coefficient: log Pow: -0.77  
n- octanol/water
- p) Auto-ignition temperature 455.0 °C at 1,013 hPa
- q) Decomposition temperature No data available
- r) Viscosity No data available
- s) Explosive properties Not explosive
- t) Oxidizing properties The substance or mixture is not  
classified as oxidizing.

## Section 10 - Stability and Reactivity

**Storage stability:** Stable under recommended storage conditions.

**Materials to avoid:** Acids, Oxidizing agents

### Hazardous decomposition

### Products formed under fire

**conditions.** - Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Hydrogen cyanide (hydrocyanic acid)

## Section 11 - Toxicological Information



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LDLO Oral - Human - 143 mg/kg(Carbinol)

Remarks: Lungs, Thorax, or Respiration:Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

LD50 Oral - Rat - 1,187 - 2,769 mg/kg(Carbinol)

LC50 Inhalation - Rat - 4 h - 128.2 mg/l(Carbinol)

LC50 Inhalation - Rat - 6 h - 87.6 mg/l(Carbinol)

LD50 Dermal - Rabbit - 17,100 mg/kg(Carbinol)

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: Weakness, Convulsions

#### Route Of Exposure

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin : May causes skin irritation. May be fatal if absorbed through skin.

Eyes: Largely based on Human evidence

Ingestion: Largely based on Human evidence

### Section 12 - Ecological Information

No data 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

	IATA	IMO	RID/ADR
Shipping Name:	Carbinol	Carbinol	Carbinol
Hazard Class:	3 (6.1)	3 (6.1)	3 (6.1)
UN Number:	1230	1230	1230
Packing Group:	II	II	II

### Section 15 - Regulatory Information

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



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## **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.