SISCO RESEARCH LABORATORIES PVT. LTD.

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Safety Data Sheet

Review Date : 4-Oct-2023

Section 1 - Chemical Product and Company Identification

Product Name	Carbinol pure, 99%
Product Code	15343
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 (NOx), 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.