MATERIAL SAFETY DATA SHEET
FLUOROBENZENE

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Fluorobenzene
Synonyms: None
Company Identification: Sisco Research Laboratories Pvt. Ltd.
Andheri (East), Mumbai – 400 099.
Tel: +91 22 2687 2601
Fax: +91 22 2687 8241
Website: www.srlchem.com

2 - COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>%</th>
<th>EINECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>462-06-6</td>
<td>Fluorobenzene</td>
<td>99%</td>
<td>207-321-7</td>
</tr>
</tbody>
</table>

3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Highly flammable.

Potential Health Effects
The toxicological properties of this substance have not been fully investigated.

4 - FIRST AID MEASURES

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

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

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

Notes to Physician:

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. Flammable liquid and vapor.
Extinguishing Media: Use agent most appropriate to extinguish fire.

6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section.

7 – HANDLING AND STORAGE

Handling: Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep away from heat, sparks and flame.

Storage: Keep away from heat, sparks, and flame. Flammables-area.

8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits

Personal Protective Equipment

Eyes: Wear chemical splash goggles. Wear safety glasses and chemical goggles if splashing is possible.

Skin: Wear safety glasses and chemical goggles if splashing is possible. Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Specific Gravity/Density: 1.024-1.026

Boiling Point: 84-85 deg C

Molecular Formula: C₆H₅F

Molecular Weight: 96.10
10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Strong oxidants.
Incompatibilities with Other Materials: Not available
Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen fluoride gas.

11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 462-06-6: DA0800000
LD50/LC50: RTECS: 
CAS# 462-06-6: Inhalation, mouse: LC50 = 45 gm/m3/2H; Inhalation, mouse: LC50 = 45000 mg/m3/2H; Inhalation, rat: LC50 = 26908 mg/m3; Oral, rat: LD50 = 4399 mg/kg;
Carcinogenicity: Fluorobenzene - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information.

12 - ECOLOGICAL INFORMATION

Not available

13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14 - TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>IATA</th>
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<th>RID/ADR</th>
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<tbody>
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<td>Packing Group: II</td>
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</table>

15 - REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: F
Risk Phrases: R 11 Highly flammable.
Safety Phrases: S 7 Keep container tightly closed.S 16 Keep away from sources of ignition - No smoking.S 29 Do not empty into drains.S 33 Take precautionary measures against static discharges.

WGK (Water Danger/Protection)CAS# 462-06-6: 2
Canada CAS# 462-06-6 is listed on Canada's DSL List
US Federal TSCA CAS# 462-06-6 is listed on the TSCA Inventory.

16 - ADDITIONAL INFORMATION

SISCO RESEARCH LABORATORIES 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.