

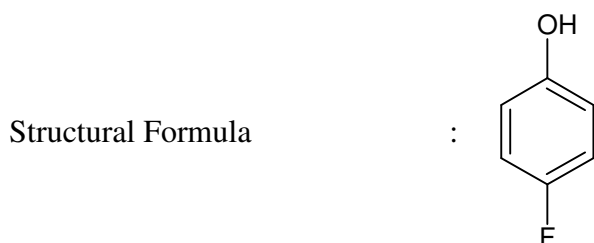
NAVIN FLUORINE INTERNATIONAL LTD		web: <a href="http://www.nfil.in">http://www.nfil.in</a> mailto: <a href="mailto:speciality@nfil.in">speciality@nfil.in</a>
		2nd Floor, Sunteck Centre, 37/40, Subash Road, Vile Parle (East), Mumbai-400057. India.

PRODUCT SPECIFICATION	
Title: 4 – FLUORO PHENOL (C <sub>6</sub> H <sub>5</sub> FO)	Document No. : NFIL/QC /SPEC/FP/105/00 Effective Date : 05/11/2008

Material Code : SPE005011

Major Packing : UN-Certified /MS-HDPE drum 200 / 250Kg

Storage Specifications : Stored in dry condition at room temperature in well closed container.



Molecular Formula : C<sub>6</sub>H<sub>5</sub>FO

Molecular Weight : 112.1

Synonyms : p- Fluorophenol

Sr. No.	TEST	SPECIFICATION
<b>Product Specification:</b>		
1	Appearance / Description	Clear, colorless to light Yellow liquid
2	Purity (By GC)	99.00% Min.
3	Moisture (By KF)	0.50% Max
4	High Boiling Impurities	0.50% Max
5	Low Boiling Impurities	0.50% Max

- Customer should discuss with business unit at [speciality@nfil.in](mailto:speciality@nfil.in) for the other requirements than specified.
- Analytical Method No. **NFIL/QC/WI/FP/105**



**NAVIN FLUORINE**  
INTERNATIONAL LIMITED

# MATERIAL SAFETY DATA SHEET (MSDS)

## 4-Fluorophenol

### 1. CHEMICAL IDENTITY

Chemical Name	4-FLUOROPHENOL
Synonym	4-Fluorophenol, p-fluorophenol
Formula	C <sub>6</sub> H <sub>5</sub> FO

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients name	4-FLUOROPHENOL	C.A.S. No	371-41-5	EC No	206-736-0
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### 3. PHYSICAL / CHEMICAL DATA

Boiling Point	185 °C	Vapour Pressure	NA
Melting Point	44-47 °C	Solubility in water	50 g/l
Vapour Density (Air = 1)	NA	Appearance	yellow-beige
Specific Gravity (Water=1)	NA	Odour	characteristic odor
pH (5% Soln.)	5-6 (5% aq soln)	Other	
Physical state	Solid		

### 4. FIRE / EXPLOSION HAZARD DATA

Flammability	NA	LEL%	Not available	Flash Point : 68°C
Auto Ignition Temp.	NA	UEL%	Not available	
TDG Flammability	NA			
Explosion Sensitivity to Impact	NA			
Explosion Sensitivity to static electricity	NA			
Hazardous Combustion Product	NA			
Hazardous Polymerization	Has not been reported.			
Combustible liquid	NA	Oxidizer	NA	
Flammable material	NA	Organic Peroxide	NA	
Pyrophoric material	NA	Corrosive	Yes	
Explosive material	NA	Other		



### 5. STABILITY & REACTIVITY DATA

Chemical stability	Stable under normal temperatures and pressures.
Incompatibility	Strong oxidizing agents, acid chlorides, acid anhydrides.
Conditions to avoid	Ignition sources, excess heat.
Hazardous reaction/ decomposition products	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, fluoride fumes.

### 6. HEALTH HAZARD DATA

Effects of exposure/ Symptoms	Skin, Eyes, Inhalation ,Ingestion
	<b>Eye:</b> Causes eye burns. <b>Skin:</b> Harmful if absorbed through the skin. Causes skin burns. <b>Ingestion:</b> Harmful if swallowed. Causes gastrointestinal tract burns. May cause dizziness, irregular breathing, and weakness. <b>Inhalation:</b> Causes chemical burns to the respiratory tract. <b>Chronic:</b> No information found.

<b>7. TOXICOLOGICAL INFORMATION</b>		
	LD 50 / LC50	Not available
	Permissible Exposure Limit-OSHA(PEL)	None listed
	NFPA hazard signal	(estimated) Health: 3; Flammability: 2; Instability:
<b>8. ECOLOGICAL INFORMATION</b>		
	NA	
<b>9. PREVENTIVE MEASURES/EXPOSURE CONTROL/PERSONAL PROTECTION</b>		
	Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.
	Personal Protective Equipments	Protective gloves, protective goggles, lab coat, aprons, respirators.
<b>10. HANDLING &amp; STORAGE</b>		
	Normal Handling	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Keep away from heat and flame.
	Storage Recommendation	Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.
<b>11. EMERGENCY / FIRST AID MEASURE</b>		
	Fire	Fire extinguishing medium Use water spray, dry chemical, carbon dioxide, or appropriate foam.
	Exposure/first aid measures	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.
		Skin / Eyes <b>Skin:</b> Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Destroy contaminated shoes. . <b>Eyes:</b> Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
		Ingestion 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.
	Special procedure	Use NIOSH approved self contained positive pressure breathing apparatus with full face piece and protective clothing.
<b>12. ACCIDENTAL RELEASE MEASURES</b>		
	General Information	Use proper personal protective equipment as indicated in section 9
	Spills / Release	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Remove all sources of ignition. Provide ventilation
<b>13. DISPOSAL CONSIDERAIONS:</b>		
	Dispose of in a manner consistent with federal, state, and local regulations.	

<b>14. TRANSPORT INFORMATION</b>	
<p><b>USDOT</b>            Proper Shipping Name: CORROSIVE SOLIDS, TOXIC, N.O.S.            UN Number: 2923            Hazard Class: 8            Packing Group: III            Hazard Label: Corrosive</p> 	<p><b>Canada TDG</b>            Proper Shipping Name: CORROSIVE SOLIDS, TOXIC, N.O.S.(4-FLUOROPHENOL)            UN Number: 2923            Hazard Class: 8            Packing Group: III            Hazard Label: Corrosive</p> 
<b>15. REGULATORY INFORMATION</b>	
<p>European/International Regulations            European Labeling in Accordance with EC Directives  <b>Hazard Symbols: C</b>  <b>Risk Phrases:</b>                R 21/22 Harmful in contact with skin and if swallowed.                R 34 Causes burns.  <b>Safety Phrases:</b>                S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.                S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.                S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).</p>	
<b>16. NAME OF FIRM - NAVIN FLUORINE INTERNATIONAL LIMITED</b>	
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<b>DISCLAIMER</b>	
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