

NAVIN FLUORINE INTERNATIONAL LTD		web: http://www.nfil.in mailto: speciality@nfil.in
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PRODUCT SPECIFICATION	
Title: 2 – FLUORO PHENOL (C ₆ H ₅ FO)	Document No. : NFIL/QC /SPEC/FP/109/00 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 : C₆H₅FO

Molecular Weight : 112.1

Synonyms : o- Fluorophenol

Sr. No.	TEST	SPECIFICATION
Product Specification:		
1	Appearance / Description	Clear colourless to yellow liquid, darkens on storage
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 for the other requirements than specified.
- Analytical Method No. **NFIL/QC/WI/FP/109**



NAVIN FLUORINE
INTERNATIONAL LIMITED

MATERIAL SAFETY DATA SHEET (MSDS)

2-Fluorophenol

1. CHEMICAL IDENTITY

Chemical Name	2-FLUOROPHENOL
Synonym	2-Fluorophenol, o-fluorophenol
Formula	

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients name	2-FLUOROPHENOL	C.A.S. No	
		EC No	

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

7. TOXICOLOGICAL INFORMATION

	LD 50 / LC50	Not available
	Permissible Exposure Limit-OSHA(PEL)	None listed
	NFPA hazard signal	(estimated) Health: 3; Flammability: 2; Instability:

8. ECOLOGICAL INFORMATION			
	NA		
9. PREVENTIVE MEASURES/EXPOSURE CONTROL/PERSONAL PROTECTION			
	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.	
10. HANDLING & STORAGE			
	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.	
11. EMERGENCY / FIRST AID MEASURE			
	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	Skin: 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. . Eyes: 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.	
12. ACCIDENTAL RELEASE MEASURES			
	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	
13. DISPOSAL CONSIDERAIONS:			
	Dispose of in a manner consistent with federal, state, and local regulations.		
14. TRANSPORT INFORMATION			
	USDOT Proper Shipping Name: CORROSIVE	Canada TDG Proper Shipping Name: CORROSIVE	

<p>SOLIDS, TOXIC, N.O.S. UN Number: 2923 Hazard Class: 8 Packing Group: III Hazard Label: Corrosive</p> 	<p>SOLIDS, TOXIC, N.O.S.(2- FLUOROPHENOL) UN Number: 2923 Hazard Class: 8 Packing Group: III Hazard Label: Corrosive</p> 
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15. REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 21/22 Harmful in contact with skin and if swallowed.

R 34 Causes burns.

Safety Phrases:

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).

16. NAME OF FIRM - NAVIN FLUORINE INTERNATIONAL LIMITED

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