

Office: +91.22.714.00.200

### 4-Fluorophenol

Revision Date:18-11-2023

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## SAFETY DATA SHEET

		1				
	Product name	:	4-Fluorophenol			
	CAS-No.	:	371-41-5			
.2	Relevant identified use	es of	the substance or mixture and uses a	dvised against		
	Identified uses	:	Laboratory chemicals, Manufacture c	of substances.		
.3	Details of the supplier	of th				
	Company	:	Inventys Research Company Pvt Ltd 514, Kanakia Zillion, BKC Annex, (LBS Road Junction, CST Road, Nea Kurla West, Mumbai 400070. INDIA Fax:+91.22.714.00.299 www.Inventys.In	ar Kurla Bus Depot),		
1.4	Emergency telephone	numl	per			
	Emergency Phone #		+91 22.714.00.200	$\sim$		
SEC.	TION 2: Hazards identifi	catio	n			
2.1	Classification of the su			•		
		2), H3 icity ·				
2.2	Label elements	Label elements Labelling according Regulation (EC) No 1272/2008				
	Pictogram Signal word Warning Hazard statement(s) H302 Harmful if swalld H315 Causes skin irrit H319 Causes serious e H335 May cause respi	owed ation	ritation.			
	Precautionary stateme	nt(s) dust,	/ ) / fume/ gas/ mist/ vapors/ spray. / after handling.			
	P302 + P352 IF ON Sł	LOW	ET and the second stand this product. ED: Call a POISON CENTER/ docto Wash with plenty of water. EYES: Rinse cautiously with water			



Revision Date:18-11-2023

	Remove contact lenses, if present and easy to do. Continue rinsing.					
	Supplemental Hazard Statements: None					
	Supplemental Hazara Statements. None					
	Reduced Labeling (<= 125 ml) Pictogram					
	Signal word Warning					
	Hazard statement(s): r	ione	9			
	Precautionary statemen	t(s)	: no	ne		
	Supplemental Hazard S	ate	men	ts : none		
2.3		tive	and	e/mixture contains no component toxic (PBT), or very persistent a		
SEC	TION 3: Composition/info	mat	ion	on ingredients		
	1	ma				
3.1	Substances		1 4	luorophonol		
	Synonyms. Formula	:		luorophenol H₅FO		
	Molecular weight	:	-	2,10 g/mol		
	CAS-No	:		1-41-5		
	EC Number	:		6-736-0		
	Component	-		Classification	Concentration	
	4-fluorophenol					
	CAS-No.: 371-41-5			Acute Tox. 4; Skin Irrit. 2;	. 100.0/	
	EC-No.: 206-736-0	$\mathbf{V}$		Eye Irrit. 2; STOT SE 3; H302, H315, H319, H335	<= 100 %	
	For the full text of the	H-S	tate	ments mentioned in this Section,	see Section 16.	
SEC	TION 4: First aid measure					
4.1	Description of first aid n 4.1 Description of first					
	General advice	ot ai	um	easures		
		v d	ata s	sheet to the doctor in attendance		
	If inhaled	.,			-	
	After inhalation: fresh a	ir.				
	In case of skin contac	t				
	In case of skin contact: water/ shower.	Tak	e of	f immediately all contaminated cl	othing. Rinse skin with	
	In case of eye contac	t				
	After eye contact: rinse lenses.	out	witl	n plenty of water. Call in ophthalr	nologist. Remove contact	
	1					

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Revision Date:18-11-2023

	<b>If swallowed</b> After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
4.2	Most important symptoms and effects, both acute and delayed
	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
4.3	Indication of any immediate medical attention and special treatment needed
	No data available
SEC	TION 5: Firefighting measures
5.1	Extinguishing media
	Suitable extinguishing media
	Water Foam Carbon dioxide (CO2) Dry powder.
	<b>Unsuitable extinguishing media</b> For this substance/mixture no limitations of extinguishing agents are given.
5.0	
5.2	Special hazards arising from the substance or mixture Carbon oxides
	Hydrogen fluoride
	Combustible.
	Vapors are heavier than air and may spread along floors.
	Forms explosive mixtures with air on intense heating.
	Development of hazardous combustion gases or vapours possible in the event of fire.
5.3	Advice for firefighters
	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
5.4	Further information
	Remove container from danger zone and cool with water. Suppress (knock down)
	gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from
	contaminating surface water or the ground water system.
SEC	TION 6: Accidental release measures
6.1	Personal precautions, protective equipment and emergency procedures
	Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact.
	Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the
	danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
6.2	Environmental precautions
0.2	Do not let product enter drains.
6.3	Methods and materials for containment and cleaning up
0.0	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions
	(see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
6.4	Reference to other sections
	For disposal see section 13.
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Revision Date:18-11-2023

7.1	Precautions for safe handling					
	Advice on protection against fire and explosion					
	Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures again					
	static discharge.					
	Hygiene measures					
	Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.					
	For precautions see section 2.2.					
7.2	Conditions for safe storage including any incompatibilities					
	Storage conditions					
	Tightly closed. Dry.					
7.3	Specific end use(s)					
	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated					
SEC	TION 8: Exposure controls/personal protection					
8.1	Control parameters					
-	Ingredients with workplace control parameters					
8.2	Exposure controls					
	Personal protective equipment					
	Eye/face protection					
	Use equipment for eye protection tested and approved under appropriate					
	government standards such as NIOSH (US) or EN 166(EU). Safety glasses					
	Skin protection This recommendation applies only to the product stated in the safety data sheet, supplied by u					
	and for the designated use. When dissolving in or mixing with other substances and under					
	conditions deviating from those stated in EN374 please contact the supplier of CE-approved					
	gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).					
	Full contact					
	Material: Nitrile rubber					
	Minimum layer thickness: 0,11 mm					
	Break through time: 480 min					
	Material tested:KCL 741 Dermatril® L					
	This recommendation applies only to the product stated in the safety data sheet, supplied by u					
	and for the designated use. When dissolving in or mixing with other substances and under					
	conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: <u>www.kcl.de</u> ).					
	gioves (e.g. KCL GHIDH, D-30124 LICHENZEN, INTERNET: <u>www.KCL.CE</u> ).					
	Splash contact					
	Material: Nitrile rubber					
	Minimum layer thickness: 0,11 mm					
	Break through time: 480 min					
	Material tested:KCL 741 Dermatril® L					
	Body Protection					
	<b>Body Protection</b> Flame retardant antistatic protective clothing.					
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Revision Date:18-11-2023

		pe: Filter B-(P3) ensure that maintenance, cleanir according to the instructions of th	ng and testing of respiratory protective ne producer. These measures have to l		
	Do not let product ente	-			
	SECTION 9: Physical a	nd chemical properties			
9.1	Information on basic physical and chemical properties				
	a) Appearance	Form: solid			
	b) Odor	No data available			
	c) Odor Threshold	No data available			
	d) pH	No data available	-N'		
	e) Melting point/ freezing point	Melting point/range: 43 - 46 °C - lit.	<u> </u>		
	f) Initial boiling point and boiling range	185 °C - lit.			
	g) Flash point	68 °C - c.c.			
	h) Evaporation rate	No Data Available			
	i) Flammability (solid, gas)	No Data Available			
	j) Upper/lower flammability or explosive limits	No Data Available			
	k) Vapor pressure	No Data Available			
	I) Vapor density	No Data Available			
	m) Relative density	No Data Available			
	n) Water solubility	No Data Available			
	o) Partition coefficient: n octanol/water	No Data Available			
	p) Auto-ignition temperature	No Data Available			
	q) Decomposition temperature	No Data Available			
	r) Viscosity	Viscosity, kinematic: No data ava Viscosity, dynamic: No data avail			
	s) Explosive properties	No Data Available			
	t) Oxidizing properties	No Data Available			
	InventyS.IN : +91.22.714.00.200	Page 5 of 8	Mobile: +91.9619.666.333 Fax: +91.22.714.00.299		



Revision Date:18-11-2023

9.2	Other safety information
	No data available
	SECTION 10: Stability and reactivity
10.1	Reactivity
	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical. The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
10.2	Chemical stability The product is chemically stable under standard ambient conditions (room temperature).
10.3	Possibility of hazardous reactions
	Violent reactions possible with: Oxidizing agents strong alkalis Strong acids Acid anhydrides acid halides
10.4	Conditions to avoid
40.5	Strong heating.
10.5	Incompatible materials No data available
10.6	Hazardous decomposition products
	In the event of fire: see section 5
SECT	ION 11: Toxicological information
11.1	Information on toxicological effects
	Acute toxicity LD50 Oral - Rat - 340 mg/kg Symptoms: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. Remarks: (External MSDS)absorption Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract Skin corrosion/irritation Serious eye damage/eye irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity No data available Reproductive toxicity Specific target organ toxicity - single exposure May cause respiratory irritation. Specific target organ toxicity - repeated exposure

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Revision Date:18-11-2023

	Additional Information				
	RTECS: SL4550000 Material is extremely destructive	e to tissue of the mucous men	nbranes and upper respiratory		
	tract, eyes, and skin., Cough, S				
	Other dangerous properties can		,		
	Handle in accordance with good		practice.		
SECT	ION 12: Ecological information				
12.1	Toxicity				
			etrahymen pyriformis - 107 mg/l -		
	48 h Remarks: (ECOTOX Databa Toxicity to bacteria microtox tes		r = 10 F m c (l = 20)		
	min	st EC50 - Photobacterium phos	sphoreum - 19,5 mg/l - 30		
12.2	Persistence and degradability				
12.3	Bio accumulative potential				
12.4	Mobility in soil		1.2		
12.5	Results of PBT and vPvB assess	sment			
12.0	This substance/mixture contains no components considered to be either persistent,				
	bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at				
	bioaccumulative and toxic (PBT)		bioaccumulative (vPvB) at		
	bioaccumulative and toxic (PBT) levels of 0.1% or higher.		bioaccumulative (vPvB) at		
12.6	bioaccumulative and toxic (PBT) levels of 0.1% or higher. Other adverse effects	), or very persistent and very	bioaccumulative (vPvB) at		
12.6	bioaccumulative and toxic (PBT) levels of 0.1% or higher.	), or very persistent and very	bioaccumulative (vPvB) at		
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Revision Date:18-11-2023

14.6 Special Precautions for User
Further information
Not classified as dangerous in the meaning of transport regulations.
SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the
substance or mixture
This material safety data sheet complies with the requirements of Regulation (EC) No.
1907/2006.
National legislation
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of
major-accident hazards involving dangerous substances: Not applicable
Other regulations
Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable.
Take note of Dir 94/33/EC on the protection of young people at work.
15.2 Chemical safety assessment
For this product a chemical safety assessment was not carried out
SECTION 16: OTHER INFORMATION
Full text of H-Statements referred to under sections 2 and 3.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation. H335 May cause respiratory irritation.
Relevant changes since previous version
2. Hazards identification
Further information
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