

Material Safety Data Sheet

E0159

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HAZARD WARNIN		RIS						
×	Irritating to	Harmful compound, minimize exposure. Irritating to skin, eyes, and the respiratory system. Light sensitive.						
Section I.	Chemical Prod	luct and Co	mpany Ide	entificat	ion			
Chemical Name	4-Ethylp	ohenol						
Catalog Number	E0159	E0159 Not available. C ₂ H ₅ C ₆ H ₄ OH			10 appril	TCI America 9211 N. Harborgate St. Portland OR 1-800-423-8616		
Synonym	Not available.							
Chemical Formula	$C_2H_5C_6H_4OH$							
CAS Number	123-07-9	123-07-9			In case of Emergency Call	Chemtrec® (800) 424-9300 (U.S.) (703) 527-3887 (Internation		
Section II.	Composition a	and Informa	tion on In	aradian				
Chemical	•	CAS Number	Percent (%)	<u> </u>	LV/PEL	Toxicology Data		
4-Ethylp		123-07-9	Min. 97.0 (GC)	Not available		Mouse LD₅₀ (intraperitoneal) 138mg/kg		
Section III.	Hazards Ident	ification	1	I				
Chronic Health Effects	Follow safe indus CARCINOGENIC MUTAGENIC EF TERATOGENIC I DEVELOPMENT	or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound. CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITYNot available. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.						
Section IV.	First Aid Meas	· ·						
Eye Contact		Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 1 minutes. Get medical attention.						
Skin Contact		In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash cloth before reuse. Thoroughly clean shoes before reuse. Get medical attention.						
Inhalation		If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do not						
Ingestion	Loosen tight cloth resuscitation. Ex toxic material was	ning such as a colla camine the lips and	ar, tie, belt or wa mouth to ascert ence of such sign	iistband. If th ain whether t s, however, is	ne victim is not he tissues are	nit will not reenter the mouth and thro breathing, perform mouth-to-mouth damaged, a possible indication that e. SEEK IMMEDIATE MEDICAL		
Section V.	Fire and Explo	sion Data						
Flammability	May be combustit	ble at high temperati	ure. A	uto-Ignition	Not	available.		
Flash Points	100°C (212°F).	100°C (212°F).		Flammable Limits		available.		
Combustion Products	These products a	These products are toxic carbon oxides (CO, CO ₂).						
Fire Hazards	Not available.	Not available.						
Explosion Hazards		Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.						
Fire Fighting Media and Instructions	LARGE FIRE: Us	e DRY chemical por se water spray, fog c fire authorities befo	or foam. DO NO			ins.		

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Section VI.	Accidental Release Measure	S				
Spill Cleanup Instructions	Harmful material. Irritating material. Light-sensitive material. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water. Consult federal, state, and/or local authorities for assistance or disposal.					
Section VII.	Handling and Storage					
Handling and Storage Information	HARMFUL. IRRITANT. LIGHT SENSITIVE. Keep away from heat. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, cool place. Avoid excessive heat and light. Do not breathe dust. Always store away from incompatible compounds such as oxidizing agents.					
Section VIII.	Exposure Controls/Personal	I Protection				
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.					
Personal Protection	Splash goggles. Lab coat. Dust respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. Be sure to use a MSHA/NIOSH approved respirator or equivalent.					
Exposure Limits	Not available.					
Section IX.	Physical and Chemical Prop	erties				
Physical state @ 20°C	Solid. (Off-white.)	Solubility	Slightly soluble in water.			
Specific Gravity	1.011 (water=1)		Soluble in alcohol, ether, benzene, carbo disulfide, acetone.			
Molecular Weight	122.16	Partition Coefficient	Not available.			
Boiling Point	218 to 219°C (424.4 to 426.2°F)	Vapor Pressure	0.13mm Hg @ 20°C			
Melting Point	42 to 45°C (107.6 to 113°F)	Vapor Density	4.2 (Air = 1)			
Refractive Index	1.5239 @ 25°C	Volatility	Not available.			
Critical Temperature	Not available.	Odor	Medicinal, phenolic.			
Viscosity	Not available.	Taste	Sweet, smokey.			
Section X.	Stability and Reactivity Data					
Stability	This material is stable if stored under prop	er conditions. (See Section VII fo	r instructions)			
Conditions of Instability	Avoid excessive heat and light. Light sense	sitive.				
Incompatibilities	Reactive with oxidizing agents, acid chlorid	des, and acid anhydrides.				
Section XI.	Toxicological Information					
RTECS Number	SL4040000					
Routes of Exposure	Eye Contact. Ingestion. inhalation.					
Toxicity Data	Mouse LD ₅₀ (intraperitoneal) 138mg/kg					
Chronic Toxic Effects	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITYNot available. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.					
Acute Toxic Effects	Harmful if ingested or inhaled. Minimize exposure to this material. Severe overexposure can result in injury or death. Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.					

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Section XII.	Ecological Information
Ecotoxicity	Not available.
Environmental Fate	p-Ethylphenol's production and use in the manufacture of phenolic resins and varnishes, as an intermediate for pharmaceuticals and dyes, as a starting material for the production of antioxidants used in rubber and polymers, and its use as a food flavoring may result in its release to the environment through various waste streams. p-Ethylphenol may be released to the environment during its extraction from coal or from the smoke in cigarettes. If released to the atmosphere, p-ethylphenol will mainly exist in the vapor phase based on a experimental vapor pressure of 0.0372 mm Hg at 25 deg C. Vapor-phase p-ethylphenol is degraded in the atmosphere by reaction with photochemically produced hydroxyl radicals with an estimated half-life of about 9 hours. An estimated Koc of 600 suggests that p-ethylphenol will have low mobility in soil. Volatilization from dry and moist soil surfaces is possible, but should not be a major fate process for this compound. Based on limited data, this compound may biodegrade in both soil and water. A system where water was passed through contaminated soil (initial p-ethylphenol concentration=4000 ug/L) and then through an upflow aerated column was capable of 76% removal in 37 days. In water, p-ethylphenol may adsorb to suspended matter in the water column based on its Koc value. p-Ethylphenol may volatilize from water surfaces given an estimated Henry's Law constant of 1.2X10-6 atm-cu m/mole. Estimated half-lives for a model river and model lake are 33 and 245 days, respectively. Bioconcentration in aquatic organisms may occur based on an estimated BCF value of 54. The general population may be exposed p-ethylphenol by inhalation of cigarette smoke, ingestion of foods or handling of products containing this compound.
Section XIII.	Disposal Considerations
Waste Disposal	Recycle to process, if possible. Consult your local regional authorities. You may be able to dissove or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and locl regulations when disposing of the substance.
Section XIV.	Transport Information
DOT Classification	Not a DOT controlled material (United States).
PIN Number	Not applicable.
Proper Shipping Name	Not applicable.
Packing Group (PG)	Not applicable.
DOT Pictograms	\bigotimes
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Section XV. Ot	her Regulatory Information and Pictograms
TSCA Chemical Inventory (EPA)	This compound is ON the EPA Toxic Substances Control Act (TSCA) inventory list.
WHMIS Classification (Canada)	Not available.
EINECS Number (EEC)	204-598-6
EEC Risk Statements	R20/21/22- Harmful by inhalation, in contact with skin and if swallowed. R36/37/38- Irritating to eyes, respiratory system and skin.
Japanese Regulatory Data	Not available.

Section XVI. Other Information

Version 1.0 Validated on 6/7/2002. Printed 2/16/2005.

Notice to Reader

TCI laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above name supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.

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