

Material Safety Data Sheet

HAZARD WARNINGS		
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RISK PHRASES

Harmful compound, minimize exposure. Irritating to skin, eyes, and the respiratory system.

PROTECTIVE CLC	OTHING

Section I. Che	emical Produ	uct and Cor	mpany Ide	ntificat	tion		
Chemical Name	Ethylferr	ocene					
Catalog Number	E0394		Supplier TCI America 9211 N. Harborgate St.		ate St		
Synonym	Ferrocene, ethyl	- (CA INDEX N	AME)			Portland OR 1-800-423-8616	
Chemical Formula	$C_{12}H_{14}Fe$						
CAS Number	1273-89-8				Emergency		Chemtrec® (800) 424-9300 (U.S.)
					Call	(703) 527-3887	
Section II. Co	mposition a	nd Informa	tion on Ind	gredien	Its		
Chemical Nam		CAS Number	Percent (%)	í	TLV/PEL	Toxico	ology Data
Ethylferrocene		1273-89-8	Min. 97.0 (GC)	Not availab	le.	Not available.	
Section III. Ha	zards Identi	fication	•	·			
Acute Health 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.						
Chronic Health Effects	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.						
Section IV. First	st Aid Measu	ıres					
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.						
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing 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 improve.						
Ingestion	INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive.						
Section V. Fire	e and Explos	sion Data					
Flammability	May be combustible	e at high temperatu	re. A	uto-Ignition	Not	available.	
Flash Points	>110℃ (230℉)		Flar	nmable Lin	nits Not	available.	
Combustion Products	These products are	toxic carbon oxide	s (CO, CO ₂), meta	allic oxides.			
Fire Hazards	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	SMALL FIRE: Use LARGE FIRE: Use Consult with local fi	water spray, fog or	foam. DO NOT			5.	

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Section VI.	Accidental Re	elease Measure	es		
Spill Cleanup Instructions	Absorb with an in			aste disposal. Finish cleaning the spill by rinsing , state, and/or local authorities for assistance on	
Section VII.	Handling and	Storage			
Handling and Storage Information	store in a dry, coo	ol place. Avoid excessive	eat. Mechanical exhaust required. e heat and light. Do not breathe ga pounds such as oxidizing agents.	. When not in use, tightly seal the container and s/fumes/ vapor/spray.	
Section VIII.	Exposure Col	ntrols/Persona	I Protection		
Engineering Controls		Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work-station location.			
Personal Protection		Splash goggles. Lab coat. Vapor 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.				
*	Dhusiesland	Chamical Dura	ortico		
Section IX.		Chemical Prop		Netovelable	
Physical state @ 20°C	Liquid. (Dark brov	<i>w</i> n.)	Solubility	Not available.	
Specific Gravity	1.26 (water=1)		_		
Molecular Weight	214.08		Partition Coefficient	Not available.	
Boiling Point	264 ℃ (507.2 °F)		Vapor Pressure	Not available.	
Melting Point	Not available.		Vapor Density	Not available.	
Refractive Index	Not available.		Volatility	Not available.	
Critical Temperature	Not available.		Odor	Not available.	
Viscosity	Not available.		Taste	Not available.	
Section X.	Stability and I	Reactivity Data	1		
Stability	This material is s	table if stored under prop	er conditions. (See Section VII for	instructions)	
Conditions of Instability	Avoid excessive	Avoid excessive heat and light.			
Incompatibilities	Reactive with oxi	dizing agents.			
Section XI.	Toxicological	Information			
RTECS Number	Not available.				
Routes of Exposure	Eye Contact. Ing	estion. Inhalation.			
Toxicity Data	Not available.				
		EFFECTS : Not availab	ble.		
Chronic Toxic Effects	MUTAGENIC EF TERATOGENIC	FECTS : Not available. EFFECTS : Not available AL TOXICITY: Not availa onged exposure to this co		existing medical conditions.	
Chronic Toxic Effects Acute Toxic Effects	MUTAGENIC EF TERATOGENIC I DEVELOPMENT Repeated or prole Harmful if ingested Irritating to eyes a is characterized occasionally, blist	EFFECTS : Not available AL TOXICITY: Not available onged exposure to this cc ed or inhaled. Minimize e and skin on contact. Inha by redness, watering, an tering.	ble. propound is not known to aggravate xposure to this material. Severe ov lation causes irritation of the lungs nd itching. Skin inflammation is c	verexposure can result in injury or death. and respiratory system. Inflammation of the eye	
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Section XIII.	Disposal Considerations
Waste Disposal	Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve 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 local 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

Section XV. C	ther Regulatory Information and Pictograms	
TSCA Chemical Inventory (EPA)	This compound is ON the EPA Toxic Substances Control Act (TSCA) inventory list.	
WHMIS Classification (Canada)	On NDSL.	
EINECS Number (EEC)	215-056-3	
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		

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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 named 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 shees 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 product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended 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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