

Material Safety Data Sheet

HAZARD WARNINGS

RISK PHRASES

The health risks of this compound have not been fully determined. Exposure may cause irritation of the skin, eyes, and respiratory system.



Chemical Name	N-Ethyl-	5-phenyl	isoxazo	lium-3	'-sulfo	nate
Catalog Number	E0219				Supplier	TCI America
Synonym	Woodward's Reagent K					9211 N. Harborgate St. Portland OR 1-800-423-8616
Chemical Formula	C ₁₁ H ₁₁ NO ₄ S				1-000-425-0010	
CAS Number	4156-16-5	16-5 Emergency (800) 424 Call (703) 527		Chemtrec® (800) 424-9300 (U.S.) (703) 527-3887 (International		
Section II. C	omposition a	nd Informat	ion on Inc	redients		
Chemical Na	•	CAS Number	Percent (%)		LV/PEL	Toxicology Data
N-Ethyl-5-phenylisoxazol	ium-3'-sulfonate	4156-16-5	Min. 98.0 (T)	Not available	9.	Not available.
Section III. H	lazards Identi	fication		1		
Acute Health Effects	exposure to any cl inhaled or ingested this compound.	hemical should be d. Always follow sa	kept to a minimu afe industrial hyg	im. Skin and iene practices	eye contact m and wear prop	of this material for humans. Howeve ay result in irritation. May be harmful per protective equipment when handlin tent when handling this compound.
Chronic Health Effects	MUTAGENIC EFFE TERATOGENIC EF DEVELOPMENTA Repeated or prolo		le. lable. ailable.	not known to	aggravate exis	ting medical conditions.
	rst Aid Measu	ires				
Eye Contact	Check for and ren minutes. Get med		enses. In case o	f contact, imr	nediately flush	eyes with plenty of water for at least
Skin Contact		In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothin before reuse. Thoroughly clean shoes before reuse. Get medical attention.				
Inhalation						ht clothing such as a collar, tie, belt attention if respiration problems do n
Ingestion	Loosen tight cloth resuscitation. Exa	ning such as a col	lar, tie, belt or w mouth to ascert	vaistband. If ain whether th	the victim is in the tissues are	nit will not reenter the mouth and throat not breathing, perform mouth-to-mou damaged, a possible indication that the e.
Section V. Fi	ire and Explos	sion Data				
Flammability	May be combustib	e at high temperati	ure. A	uto-Ignition	Not a	available.
Flash Points	Not available.		– Fla	nmable Limi	ts Not	available.
Combustion Products	These products are	e toxic carbon oxide	es (CO, CO₂), nit	rogen oxides	(NO, NO₂), sulf	fur oxides (SO _x).
Fire Hazards	Not available.					
Explosion Hazards	Risks of explosion Risks of explosion					
Fire Fighting Media	SMALL FIRE: Use	DRY chemical pove water spray, fog o				

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Section VI.	Accidental Release Measures		
Spill Cleanup Instructions			ainer. Finish cleaning the spill by rinsing a state, and/or local authorities for assistance
Section VII.	Handling and Storage		
Handling and Storage Information	Keep away from heat. Mechanical exhaust place. Avoid excessive heat and light. Do		ghtly seal the container and store in a dry, co
Section VIII.	Exposure Controls/Personal F	Protection	
Engineering Controls		perations generate dust, fume	ring controls to keep airborne levels belo or mist, use ventilation to keep exposure
Personal Protection	Splash goggles. Lab coat. Dust respirator. a specialist BEFORE handling this product.		otective clothing might not be sufficient; cons H approved respirator or equivalent.
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Exposure Limits	Not available.		
Section IX.	Physical and Chemical Proper	ties	
Physical state @ 20°C	Solid. (Light Yellow, Crystalline powder.)	Solubility	Soluble in water.
Specific Gravity	Not available.		
Molecular Weight	253.27	Partition Coefficient	Not available.
Boiling Point	Not available.	Vapor Pressure	Not applicable.
Melting Point	216°C (420.8°F)	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 Reactivity Data		
Stability	This material is stable if stored under proper	conditions. (See Section VII for	or instructions)
Conditions of Instability	Avoid excessive heat and light.		
Incompatibilities	Reactive with strong oxidizing agents.		
Section XI.	Toxicological Information		
RTECS Number	Not available.		
Routes of Exposure	Eye Contact. Ingestion. Inhalation.		
Toxicity Data	Not available.		
Chronic Toxic Effects	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY: Not available Repeated or prolonged exposure to this com		ate existing medical conditions.
Acute Toxic Effects	exposure to any chemical should be kept to	a minimum. Skin and eye co ustrial hygiene practices and w	effects of this material for humans. However ntact may result in irritation. May be harmfu ear proper protective equipment when handling equipment when handling this compound.

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Section XII.	Ecological Information
Ecotoxicity	Not available.
Environmental Fate	Not available.
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 combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe a 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	
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Section XV.	Other Regulatory Information and Pictograms
Section XV. TSCA Chemical Invento (EPA)	
TSCA Chemical Invento	 This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 4 CFR 720.36 (C) for those products not on the inventory list: (i) These products are supplied solely for use in research and development by or under the supervision of a technical qualified individual as defined in 40 CFR 720.0 et sec. (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.
TSCA Chemical Invento (EPA) WHMIS Classification	 This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 4 CFR 720.36 (C) for those products not on the inventory list: (i) These products are supplied solely for use in research and development by or under the supervision of a technical qualified individual as defined in 40 CFR 720.0 et sec. (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will the supplied on an MSDS sheet. Not available.
TSCA Chemical Invento (EPA) WHMIS Classification (Canada)	 This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 4 CFR 720.36 (C) for those products not on the inventory list: (i) These products are supplied solely for use in research and development by or under the supervision of a technical qualified individual as defined in 40 CFR 720.0 et sec. (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will the supplied on an MSDS sheet. Not available.

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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 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 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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