

Material Safety Data Sheet

E0361

HAZARD WARNIN	IGS	RISK PHRASES				PROTECTIVE CLOTHING				
×	Irritating to s Stench do	Harmful compound, minimize exposure. Irritating to skin, eyes, and the respiratory system. Stench do not inhale, use under a fume hood. Combustible material; avoid heat and sources of ignition.								
Section I.	Chemical Produ	uct and Con	npany Ide	ntificatio	on					
Chemical Name	2-Ethyl-3	2-Ethyl-3-methylpyrazine								
Catalog Number	E0361	 E0361			Supplier TCI America 9211 N. Harborgate St.					
Synonym	2-Ethyl-3-methy	2-Ethyl-3-methyl Pyrazine				Portland OR 1-800-423-8616				
Chemical Formula	$\overline{C_7H_{10}N_2}$	27H ₁₀ N ₂								
CAS Number	15707-23-0	15707-23-0			In case of Emergency Call		87 (International)			
Section II.	Composition and Information on Ingredients									
Chemica	•						V/PEL Toxicology Data			
2-Ethyl-3-me	thylpyrazine	15707-23-0	Min. 98.0 (GC,T)	Not available.			al) 600mg/kg			
Section III.	Hazards Identi	azards Identification								
Acute Health Effects Chronic Health Effects	Irritating to eyes a eye is characterize or, occasionally, b This material proc inflammation of t impermeable laye working with this n Follow safe indust CARCINOGENIC E MUTAGENIC EFFI	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. This material produces an irritating stench. Do not inhale and always use under a fume hood. Inhalation can result in inflammation of the respiratory system, headaches, nausea, and vomiting. Always cover all exposed skin with an impermeable layer and use proper eye protection. A OSHA/MSHA approved dust and vapor respirator is required when working with this material. 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.								
	DEVELOPMENTA	DEVELOPMENTAL TOXICITY : Not available. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.					tions.			
Section IV.	First Aid Measu									
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	Loosen tight cloth resuscitation. Exa toxic material wa	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. SEEK IMMEDIATE MEDICAL ATTENTION in case of ingestion of a radioactive material.								
Section V.	Fire and Explos	sion Data								
Flammability	Combustible.		А	uto-Ignition	Not	available.				
Flash Points	57℃ (134.6°F).		Flar	mmable Limi	ts Not	t available.				
Combustion Products	These products ar	e toxic carbon oxid	es (CO, CO₂), nit	trogen oxides	(NO, NO ₂).					
Fire Hazards	Not available.									
Explosion Hazards	Risks of explosion of the product in presence of static discharge: Not available.									
Continued or	Next Page		Emergend	v phone	e number	(800) 424	4-9300			

E0361	2-Ethyl-3-methylpyrazine						
Fire Fighting Media and Instructions	Combustible liquid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prev build-up, autoignition or explosion. Consult with local fire authorities before attempting large scale fire-fighting						
Section VI.	Accidental Release Measure	S					
Spill Cleanup Instructions	Harmful material. Irritating material. Stench material. Combustible material. Keep away from heat. Mechanical exhaust required. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Consult federal, state, and/or local authorities for assistance on disposal.						
Section VII. H	Handling and Storage						
Handling and Storage Information	HARMFUL. IRRITANT. STENCH. COMBUSTIBLE. Keep away from heat. Mechanical exhaust required. Avoid excessive heat and light. DO NOT ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Treat symptomatically and supportively. Always store away from incompatible compounds such as oxidizing agents, acids.						
Section VIII.	Exposure Controls/Personal 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.						
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Section IX. Physical state @ 20°C	Physical and Chemical Properties Liquid. (Colorless to faint yellow.)	Solubility	Not available.				
Specific Gravity	0.987 (water=1)		NUL available.				
	122.17	- Dortition Coofficient					
Molecular Weight		Partition Coefficient	Not available.				
Boiling Point	57℃ (134.6 ℉) @ 10mm Hg	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 Reactivity Data						
Stability	This material is stable if stored under proper conditions. (See Section VII for instructions)						
Conditions of Instability	Avoid excessive heat and light.						
Incompatibilities	Reactive with strong oxidizing agents, strong acids.						
Section XI.	Toxicological Information						
RTECS Number	UQ3335000						
Routes of Exposure	Eye Contact. Ingestion. inhalation.						
Toxicity Data	Rat LD₅₀ (oral) 600mg/kg						
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 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. This material produces an irritating stench. Do not inhale and always use under a fume hood. Inhalation can result in inflammation of the respiratory system, headaches, nausea, and vomiting. Always cover all exposed skin with an impermeable layer and use proper eye protection. A OSHA/MSHA approved dust and vapor respirator is required when working with this material. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.						

Emergency phone number (800) 424-9300

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Ecological Information
Not available.
Not available.
Disposal Considerations
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.
Transport Information
CLASS 3: Flammable liquid.
UN1993
Flammable liquid, n.o.s.

Section XV.Other Regulatory Information and PictogramsTSCA Chemical Inventory
(EPA)This compound is ON the EPA Toxic Substances Control Act (TSCA) inventory list.WHMIS Classification
(Canada)CLASS B-3: Combustible liquid.EINECS Number (EEC)239-799-8EEC Risk StatementsR20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R36/37/38- Irritating to eyes, respiratory system and skin.Japanese Regulatory DataNot available.

Section XVI. Other Information

Version 1.0 Validated on 4/30/2007. Printed 4/30/2007.

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 hardred 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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