



Material Safety Data Sheet

HAZARD WARNINGS

RISK PHRASES

Flammable material; avoid heat and sources of ignition. Refrigerate.



Section I.	Chemical Produ	ict and Cor	npany Ide	ntificati	on		
Chemical Name	1,3-Cycle	ohexadie	ene				
Catalog Number	C0467				Supplier	TCI America 9211 N. Harborgate St.	
Synonym	1,2-Dihydrobenz	1,2-Dihydrobenzene				Portland OR 1-800-423-8616	
Chemical Formula	C ₆ H ₈						
CAS Number	592-57-4				In case of Emergency Call	Chemtrec® (800) 424-9300 (U.S.) (703) 527-3887 (International)	
Section II.	Composition a	nd Informat	tion on Inc	redient			
Chemical		CAS Number	Percent (%)		FLV/PEL	Toxicology Data	
1,3-Cyclohe	exadiene	592-57-4	Min. 95.0 (GC)	Not availab	le.	Mouse LC ₅₀ (inhalation) 45000 mg/m3/2H	
Section III.	Hazards Identii	fication	1	1			
Acute Health Effects	exposure to any cl inhaled or ingested this compound.	No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound. Follow safe industrial always wear proper protective equipment when handling this compound.					
Chronic Health Effects Section IV.	CARCINOGENIC EFE MUTAGENIC EFE TERATOGENIC EF DEVELOPMENTAI Repeated or prolor	ECTS : Not availab FECTS : Not availab L TOXICITY: Not availab nged exposure to the	ole. ilable. /ailable.	not known to	o aggravate exis	ting medical conditions.	
Eye Contact	Check for and rem	St AIO INEASURES Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 1:					
Skin Contact	In case of contact,	minutes. Get medical attention. 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	If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen tight clothing such as a collar, tie, belt o waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do no					
Ingestion	INDUCE VOMITIN Loosen tight cloth resuscitation. Exa	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 and Explos	sion Data					
Flammability	Flammable.		А	uto-Ignition	Not a	available.	
Flash Points	-6°C (21.2°F).		Fla	mmable Lim	its Not	available.	
Combustion Products	These products are	e toxic carbon oxid	es (CO, CO ₂).				
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	Flammable liquid. SMALL FIRE: Use LARGE FIRE: Use Consult with local f	e alcohol foam, wat	ter spray or fog.	ge scale fire-	fighting operation	ons.	

Emergency phone number (800) 424-9300

C0467	1,3-Cyclohexadiene Page			
Section VI.	Accidental Release Measures	S		
Spill Cleanup Instructions	Flammable 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.	Handling and Storage			
Handling and Storage Information	FLAMMABLE. Keep away from heat. Mechanical exhaust required. Avoid excessive heat and light. Do not breathe gas/fumes/ vapor/spray.			
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.			
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Exposure Limits	Not available.			
Section IX.	Physical and Chemical Prope	erties		
Physical state @ 20°C	Liquid. (Clear, Light Yellow.)	Solubility	Insoluble in water. Slightly soluble in methanol.	
Specific Gravity	0.84 (water=1)		Signay sousie in mendio.	
Molecular Weight	80.13	Partition Coefficient	Not available.	
Boiling Point	80 °C (176 °F)	Vapor Pressure	Not available.	
Melting Point	Not available.	Vapor Density	Not available.	
Refractive Index	1.474 - 1.476	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 prop	per 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	GU4702350			
Routes of Exposure	Eye Contact. Ingestion. Inhalation.			
Toxicity Data	Mouse LC ₅₀ (inhalation) 45000 mg/m3/2H			
Chronic Toxic Effects	CARCINOGENIC EFFECTS : Not availabl MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available DEVELOPMENTAL TOXICITY: Not availab Repeated or prolonged exposure to this co	le.	ate existing medical conditions.	
Acute Toxic Effects	No specific information is available in ou exposure to any chemical should be kept inhaled or ingested. Always follow safe ir this compound.	r data base regarding the toxic to a minimum. Skin and eye co idustrial hygiene practices and w	effects of this material for humans. However, intact may result in irritation. May be harmful if ear proper protective equipment when handling equipment when handling this compound.	

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1,3-Cyclohexadiene

Page 3

Ecological Information
Not available.
Not available.
Disposal Considerations
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 al federal, state and local regulations when disposing of the substance.
Transport Information
DOT CLASS 3: Flammable liquid
UN3295
Hydrocarbons, liquid, n.o.s.
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Section XV. Other 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)	209-764-1
EEC Risk Statements	R10- Flammable. R18- In use, may form flammable/explosive vapor-air mixture.
Japanese Regulatory Data	ENCS No. 3-4364

Section XVI. Other Information

Version 1.0 Validated on 3/8/2006. Printed 3/8/2006.

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 product shat 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 gogles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.

Printed 3/8/2006.