



Material Safety Data Sheet

HAZARD WARNINGS	RISK PHRASES	PROTECTIVE CLOTHING
	The health risks of this compound have not been fully determined Exposure may cause irritation of the skin, eyes, and respiratory system.	

Section I. Chemical Product and Company Identification			
Chemical Name	2,5-Dioxahexanedioic Acid Diethyl Ester		
Catalog Number	D2456	Supplier	TCI America 9211 N. Harborgate St.
Synonym	Diethyl 2,5-dioxahexanedioate		Portland OR 1-800-423-8616
Chemical Formula	(-CH ₂ OCOOCH ₂ CH ₃) ₂		
CAS Number	35466-87-6	In case of Emergency Call	Chemtrec® (800) 424-9300 (U.S.)
		Cun	(703) 527-3887 (International)

Section II. Composition and Information on Ingredients					
Chemical Nam	ne	CAS Number	Percent (%)	TLV/PEL	Toxicology Data
2,5-Dioxahexanedioic Acid Diethyl Ester		35466-87-6	Min. 98.0 (GC)	Not available.	Not available.

Section III.	Hazards Identification		
Acute Health Effects	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.		
Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITYNot available. There is no known effect from chronic exposure to this product. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.		

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Check for and remove any contact lenses. IMMEDIATELY flush eyes with runing water for at least 15 minutes. keeping eyelids open. COLD water may be used. DO NOT use an eye oitment. Flush eyes with running water for a minimum of 15 minutes, occasionally lifting the upper eyelids. Seek medical attention. Treat symptomatically and supportively.
After contact with skin, wash immediately with plenty of water. Gently and thorough wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively. Wash any contaminated clothing before reusing.
If the victim is not breathing, perform artificial respiration. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention. Treat symptomatically and supportively.
INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Losen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, administer artificial respiration. 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 and, if possible, show the chemical label. Treat symptomatically and supportively.
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Section V. F.	ire and Explosion Data			
Flammability	May be combustible at high temperature.	Auto-Ignition	Not available.	
Flash Points	Not available.	Flammable Limits	Not available.	
Combustion Products	These products are toxic carbon oxides (CO, CO ₂).			
Fire Hazards	No specific information is available regarding the flammability of this compound in the presence of various materials.			
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. No additional information is available regarding the risks of explosion.			
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO ₂ , wat LARGE FIRE: Use water spray, fog or foam.			

Section VI.

Spill Cleanup Instructions

In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution. with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water. Consult federal, state, and/or local authorities for assistance on disposal

Section VII. Handling and Storage

Handling and Storage Information

Keep away from heat and sources of ignition. 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 gas, fumes, vapor or spray. Always store away from incompatible compounds such as oxidizing agents

Section VIII. Exposure Controls/Personal Protection

Accidental Release Measures

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. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.



Exposure Limits

Not available

Section IX. Pl	hysical and Chemical Prop	erties	
Physical state @ 20°C	Liquid.	Solubility	Not available.
Specific Gravity	1.14	•	
Molecular Weight	206.19	Partition Coefficient	Not available.
Boiling Point	Not available.	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 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.

There is no known effect from chronic exposure to this product. Repeated or prolonged exposure to this compound is not

known to aggravate existing medical conditions.

Acute Toxic Effects

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.

Emergency phone number (800) 424-9300

D2456

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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 or 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



Section XV. Other Regulatory Information and Pictograms

TSCA Chemical Inventory

This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40

CFR 720.36 (C) for those products not on the inventory list: (EPA)

(i) These products are supplied solely for use in research and development by or under the supervision of a technically

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.

WHMIS Classification

(Canada)

Not available.

EINECS Number (EEC)

Not available.

EEC Risk Statements

Not available

Japanese Regulatory Data

Not available.

Section XVI. Other Information

Version 1.0

Validated on 3/22/1999.

Printed 2/14/2005.

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 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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