

Material Safety Data Sheet

L0091

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HAZARD WARNIN		RISK PHRASES				PROTE	CTIVE CLO	THING			
Irritating to skin, eyes, and the respiratory system Refrigerate and vent pressure slowly before open Handle and store under nitrogen. Readily Hydrolyzed.				J.							
Section I. Chemical Product and Company Identification											
Chemical Name	DL-Lact	DL-Lactide									
Catalog Number	L0091	L0091			Supplier	t.					
Synonym	1,4-Dioxane-2,5	1,4-Dioxane-2,5-dione, 3,6-Dimethyl- (9 CI)				Portland OR 1-800-423-8616					
Chemical Formula	$C_6H_8O_4$	C ₆ H ₈ O ₄									
CAS Number	95-96-5	95-96-5			In case of Emergency Call	Chemtrec® (800) 424-9300 (U.S.) (703) 527-3887 (International)					
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Section II.	Composition a	nd Informa	tion on In	gredien	its						
Chemical	Name	CAS Number	Percent (%)]	TLV/PEL		Toxicology Data				
DL-Lac	tide	95-96-5	Min. 98.0 (T)	Not availabl	e. Rat LD ₅₀ (oral) >5000 Rabbit LD ₅₀ (dermal)						
Section III.	Hazards Ident	ification									
Acute Health Effects 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 wher handling this compound. Chronic Health Effects CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITYNot available. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.							g, reddening,				
Section IV.	First Aid Meas	ures									
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 cloth before reuse. Thoroughly clean shoes before reuse. Get medical attention.					Vash clothing				
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. Losen 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 Explo	sion Data									
Flammability	May be combustib	Aay be combustible at high temperature. Auto-Igni		uto-Ignition	Not a	lot available.					
Flash Points	Not available.	Not available. Flamma		mmable Lim	its Not	t available.					
Combustion Products	These products ar	These products are toxic carbon oxides (CO, CO ₂).									
Fire Hazards	Not available.	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	LARGE FIRE: Us	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet. Consult with local fire authorities before attempting large scale fire-fighting operations.									

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Section VI.	Accidental Release Measure	es					
Spill Cleanup Instructions	Irritating material. Refrigerate material. Readily hydrolyzed material. Handle and store under nitrogen. Use a shovel to put the material into a convenient waste disposal container. 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. I	Handling and Storage						
Handling and Storage Information		hen not in use, tightly seal the co dust.	STORE UNDER NITROGEN. Keep away from ontainer and store in a dry, cool place. Avoic acids, alkalis (bases).				
Section VIII.	Exposure Controls/Persona	I Protection					
Engineering Controls		operations generate dust, fume	ring controls to keep airborne levels below e or mist, use ventilation to keep exposure to				
Personal Protection	Splash goggles. Lab coat. Dust respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consul a specialist BEFORE handling this product. Be sure to use a MSHA/NIOSH approved respirator or equivalent.						
Exposure Limits	Not available.						
Section IX.	Physical and Chemical Prop	perties					
Physical state @ 20°C	Solid. (White crystals.)	Solubility	Not available.				
Specific Gravity	Not available.	-					
Molecular Weight	144.13	Partition Coefficient	Not available.				
Boiling Point	142°C (287.6°F) @ 8mm Hg	Vapor Pressure	Not applicable.				
Melting Point	116 to 119°C (240.8 to 246.2°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	3					
Stability	This material is stable if stored under prop		or instructions)				
Conditions of Instability	Avoid excessive heat and light. May decompose on exposure to moist air or water.						
Incompatibilities	Reactive with strong oxidizing agents, aci	ids, alkalis (bases).					
Section XI.	Toxicological Information						
RTECS Number	JH110000						
Routes of Exposure	Eye Contact. Ingestion. inhalation.						
Toxicity Data	Rat LD ₅₀ (oral) >5000mg/kg Rabbit LD ₅₀ (dermal) >2000mg/kg						
Chronic Toxic Effects	CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITYNot available. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.						
Acute Toxic Effects	eye is characterized by redness, watering	g, and itching. Skin inflammation	gs and respiratory system. Inflammation of th is characterized by itching, scaling, reddening always wear proper protective equipment whe				

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Section XII. E	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 dissove 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 locl regulations when disposing of the substance.
Section XIV. 7	Fransport 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	Other Regulatory Information and Pictograms
TSCA Chemical Inventor (EPA)	y This compound is ON the EPA Toxic Substances Control Act (TSCA) inventory list.
WHMIS Classification (Canada)	On NDSL.
EINECS Number (EEC)	202-468-3

Japanese Regulatory Data

EEC Risk Statements

Section XVI. Other Information

ENCS No: 5-5295

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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.

R36/37/38- Irritating to eyes, respiratory system and skin.

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