

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) | | | | | |
| | | | | | | ****** | ****** | | | | |
| 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. | | | | | | |
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| 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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