

Material Safety Data Sheet

Dibasic Ester

Section 1: Chemical Product and Company Identification

Product Name : Dibasic Ester
Chemical Formula : $C_{21}H_{36}O_{12}$
Company Identification : Tradeasia International Pte Ltd
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Dibasic Ester	95481-62-2	100

Section 3: Hazards Identification

Emergency Overview: Causes eye and primary skin irritation. Vapors may irritate eyes, nose, and throat. Product is not expected to present any unusual hazards under fire or spill conditions.

OSHA Hazards: Irritant, Target organ effect

Target Organs: Eyes, Nose

Hazard statement(s): H319: Causes serious eye irritation, H402: Harmful to aquatic life.

Precautionary statement(s): P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

GHS Classification(s): Acute aquatic toxicity (Category 3), Eye irritation (Category 2A).

Potential Health Effects:

Organ	Description
Eyes	Can cause eye irritation
Ingestion	Can be harmful if ingested
Inhalation	Can be harmful if inhaled. Can cause respiratory tract irritation
Skin	Can cause skin irritation

Section 4: First Aid Measures

General advice: Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Skin: Wash skin with soap and copious amounts of water.

Inhalation: Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

Eyes: Flush eyes with water as a precaution.

Ingestion: DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.

Section 5: Firefighting measures

Suitable (and unsuitable) extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):
Carbon oxides expected to be the primary hazardous combustion product.

Special protective equipment and precautions for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep unopened containers cool by spraying with water.

Flammable Properties: Not flammable or combustible, Flash point = 100 °C (212 °F), Closed cup
Autoignition temperature = 370 °C (698 °F)

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Do not inhale vapors, mist or gas.

Environmental precautions: Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

Methods and materials for containment and cleaning up: Absorb with an inert dry material and place in an appropriate waste disposal container. Keep disposal containers closed when finished.

Section 7: Handling and Storage

Precautions for safe handling: Provide proper exhaust ventilation system in areas where dust forms. Take normal fire prevention measures.

Conditions for safe storage, including any incompatibilities: Container must be sealed tightly and kept in a cool, dry, well-ventilated space.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits: No exposure limits

Appropriate engineering controls: General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU). Maintain eye wash fountain and quick-drench facilities in work area.

Skin and body protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9: Physical and Chemical Properties

Appearance (physical state, color, etc.)	: Liquid.
Initial boiling point and boiling range	: 225 °C (437 °F)
Flash point	: 100 °C (212 °F) - closed cup
Flammability (solid, gas)	: Not Flammable or Combustible
Upper / Lower flammability or explosive limits	: 8.0% (V) / 0.9% (V)
Vapor pressure	: 0.3 hPa (0.2 mmHg) at 20 °C (68 °F)
Relative Density	: 1.092 g/cm ³
Solubility(ies)	: Miscible in alcohols, ketones, and ethers.
Auto-ignition temperature	: 370 °C (698 °F)

Section 10: Stability and Reactivity Data

Chemical Stability	: Stable under recommended storage conditions.
Incompatible materials	: Acids, bases, oxidizing agents, reducing agents
Hazardous decomposition products	: Carbon oxides are expected to be, under fire conditions, the primary hazardous decomposition products.

Section 11: Toxicological Information

Product Summary: No data available for the mutagenic, teratogenic, or reproductive effects of the product. No data available to designate product as an aspiration hazard or to cause specific target organ toxicity through single or repeated exposure.

Acute Toxicity: No data available LD50 Oral LC50 Inhalation LD50 Dermal

Irritation: Eyes

Skin: no skin irritation

Carcinogenicity (by IARC): No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Section 12: Disposal Considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Section 13: Transport Information

IMDG: UN-Number: Not a dangerous good.

Marine pollutant: No

IATA: UN-Number: Not a dangerous good.

Section 14: Other Regulatory Information

OSHA Hazards: Irritant, Target organ effect

Section 15: Other Information

References: Not available.

Other Special Considerations: Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users

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