



Specialized in chemicals

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## Material Safety Data Sheet

### Dibasic Ester MSDS

#### Section 1: Chemical Product and Company Identification

**Product Name:** DBE(Dibasic Ester)

**Molecular formula:** C<sub>21</sub>H<sub>36</sub>O<sub>12</sub>

**CAS Nr:** 95481-62-2

**Molecular weight:** 480.5033

**Synonyms:** Dibasic Esters; Dimethyl butanedioate; Dimethyl hexanedioate; Dimethyl pentanedioate

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#### Section 2: Composition and Information on Ingredients

##### Main Composition:

Chemical Name	Composition(%)	CAS No.	EC No.
Dimethyl glutarate	55-65%	1119-40-0	214-277-2
Dimethyl adipate	9-25%	627-93-0	211-020-6
Dimethyl succinate	15-25%	106-65-0	203-419-9

### Section 3: Hazards Identification

#### Classification of the substance or mixture

Classification according to GHS: Flammable Liquids (Category 3), Narcotic effects (Category 3).  
Aspiration hazard (Category 1). Long term aquatic hazard (Category 2).

#### Label elements

Pictogram



#### Hazard statement(s)

Highly flammable liquid and vapour.

#### Precautionary statement(s)

P280

: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338

: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Section 4: First Aid Measures

**Skin touch:** Remove contaminated clothing, wash with plenty of water, if allergic please seek medical treatment.

**Eyes touch:** Immediately file eyelid, with a large number of mobile water or saline thoroughly washed at least 15 minutes. Get medical aid.

**Inhalation:** Rapidly from the scene to fresh air. Keep the airway patency. If breathing is difficult, give oxygen. If breathing stops, get medical aid.

**Ingestion:** drink plenty of water, induce vomiting. Get medical aid.

### Section 5: Fire and Explosion Data

**Danger characteristic:** This product cannot be ignited.

**Hazardous Combustion Products:** Smoking.

**Fire-fighting method & media:** Firefighters must wear filter respirators or isolated respirators, wearing fire protective body suits, fire in the wind. Possible to move containers from the scene empty Department. Spray cooling containers to keep the fire until the end of fire. Media: Foam, dry powder, carbon dioxide

### Section 6: Accidental Release Measures

**Emergency Management:** Isolated leakage pollution area, restricted access. Cut off the fire source. Proposed emergency handling personnel wearing a dust mask (full cover). To avoid dust, carefully sweep up, placed in the bag to move to a safe place. If a large number of leaks, with plastic cloth, canvas cover. Collect and recycle or transport to waste disposal sites.

## Section 7: Handling and Storage

**Handling:** Provide adequate ventilation. The operator must go through specialized training, strict adherence to rules. Proposed operators wear masks, wear overalls, gloves. Away from fire, heat, workplace smoking. Avoid creating dust. Use explosion-proof ventilation systems and equipment. Avoid contact with oxidizing agents and strong acids. Corresponding with the variety and quantity of fire equipment and emergency equipment leakage.

**Storage:** Store in a cool, ventilated warehouse, stored separately oxidizing agent, acid.

## Section 8: Exposure Controls/Personal Protection

**Maximum admissible concentration:** Not established.

**Monitoring Methods:** None.

**Engineering controls:** Provide sufficient wind row.

**Respiratory protection:** Wear self absorption filter mask.

**Eyes protection:** Wear protective goggles.

**Body protection:** Wear working clothes.

**Hands protection:** Wear gloves.

**Other protection:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

## Section 9: Physical and Chemical Properties

**Appearance:** Liquid.

**Melting point:** No data.

**Boiling point:** No data.

**Relative density:** 1.06.

**PH:** No data.

**Solubility:** Insoluble in water.

**Flash point:** 103 °C.

## Section 10: Stability and Reactivity Data

**Stability:** Stable.

**Conditions to avoid:** Heat.

**Hazardous polymerization:** None.

**Decomposition products:** Under normal circumstances, no harmful substances produced.

## Section 11: Toxicological Information

**Carcinogenicity:**None.

**Acute toxicity:**None.

**Sensitization:** None.

**Mutagenicity:** None.

## Section 12: Ecological Information

**Eco toxicity:**No known significant effects or critical hazards.

**Biodegradable:** Not applicable.

**Non biodegradable:** Not applicable.

**Other harmful effects:**No known significant effects or critical hazards.

## Section 13: Disposal Considerations

**Waste disposal methods:** Prior to the disposal of state and local regulations should be referred to. Proposed landfill disposal. Prohibited down the dumping of water, no pollution of water.

## Section 14: Transport Information

**Number of dangerous goods:** Not applicable.

**UN number:** No data.

**Packaging mark:**



**Packaging categories:** No data.

**Packaging method:** Packing and transporting with plastic buckets.

**Transport attentions:** Transport before the inspection of packaging container is complete, seal, the transport process to ensure that the container does not leak, does not collapse, did not fall, no damage. Is strictly prohibited and mixed oxidant, acid and other mixed transport.

Transport vehicles must be thoroughly cleaned and disinfected, otherwise can not load other articles. During transport to prevent insolation, rain, high temperature. Shipping, away from bedroom, kitchen, and isolation and engine room, fire and other parts.

## Section 15: Other Regulatory Information

**Regulatory information:** Regulations on safety management of hazardous chemicals, the detailed rules for the implementation of regulations on safety management of hazardous chemicals, workplace safety regulations and other laws and regulations on the use of chemicals, safe use, production, storage, transportation, loading and unloading for dangerous chemicals have made the corresponding stipulation.

**Section 16: Other Information**

**Written description:** The above information is based on the data of which we are aware and is believed to correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

**References:** Not available.

**Other Special Considerations:** Not available.

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