

SAFETY DATA SHEET

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: DIBASIC ESTER - DBE
Control Number: 00122
Product Description: Dibasic ester mixture

COMPANY IDENTIFICATION

Supplier: Chemical Distribution Solutions.
1125 Oak St. Ste. 303
Conway, AR 72032

24 Hour Emergency Telephone: (800) 424-9300 CHEMTREC
General Information: (501) 978-1111

SECTION 2- HAZARDS IDENTIFICATION

GHS Classification:

[Health]

[Environmental]

[Physical]

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Pictograms

Signal Word: Warning

Hazard statement(s)

Precautionary statement(s)

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Dimethyl succinate	106-65-0	20-30
Dimethyl adipate	627-93-0	20-30

SECTION 4 - FIRST AID MEASURES

FIRST AID PROCEDURES:

Eye Contact: Flush eyes with water for several minutes. Seek medical attention if irritation persists..

Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if symptoms appear.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if symptoms appear.

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SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazardous combustion products: Oxides of carbon and various hydrocarbons

Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire and Explosion Hazards: This material is not considered a hazardous material. No other data available.

SECTION 6 - ACCIDENTAL RELEASE and DISPOSAL MEASURES

Spills: Provide adequate ventilation. Suitable protective clothing should be worn. Shut off or plug source of spill. Small spills: absorb on inert media and collect into suitable container.

Large Spills: Dike spill area to contain liquid. Salvage as much re-useable liquid as possible into a suitable container. Mop up as much spill as possible then absorb residual on inert media and collect into suitable container.

SECTION 7 - STORAGE AND HANDLING

Handling: Not a hazardous substance or mixture.

Storage: Store in a cool, dry, ventilated area. Store only in approved properly labeled containers. No other specific storage information are stipulated

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

Exposure Limits: Dibasic Ester Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: 212 °F

Autoignition Temperature: 698 °F

Boiling Point: 385 °F

Melting Point/Freezing Point: -4 °F

Vapor Pressure: 0.2 mmHg

Vapor Density (Air-1): no available data

Odor/Appearance: Clear colorless viscous liquid with sweet odor.

Flammability Limits: Lower: 1 Upper: 8

Specific Gravity: 1.09

Volatile %: no available data

Evaporation Rate (Water=1): >1

pH: no available data

Solubility in Water: no available data

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.

Conditions to Avoid: No published data available.

Incompatible Materials: Strong oxidizing agents, Strong reducing agents

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Skin: Direct skin contact may cause slight or mild, transient irritation.

Eyes: Direct contact may cause very mild, temporary irritation and redness.

Inhalation: Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the upper respiratory system.

Ingestion: If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. Aspiration of this material into the lungs may result in damage.

Acute oral toxicity:

Dimethyl succinate: LD50 rat: 6892 mg/kg

Dimethyl adipate: LD50 rat > 5000 mg/kg

Acute inhalation toxicity:

Dimethyl succinate: LC50 rat: > 2000 mg/l, 4 hours

Dimethyl adipate: LC50 rat: No Data in Literature

Acute dermal toxicity:

Dimethyl succinate: LD50 rabbit > 5000 mg/kg

Dimethyl adipate: LD50 rabbit > 1000 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity: No available data.

Bio-accumulative potential: No available data.

Mobility: Accidental spillage may lead to penetration in the soil.

SECTION 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 - TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Not a DOT Regulated Material

Hazard Class

UN Number:

Packaging Group:

SECTION 15 - REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Chronic Health Hazard

SARA Section 313 (40 CFR 372) Hazard Categories:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act: This product contains no chemicals that are listed under the CWA.

Clean Air Act: This product contains no chemicals that are listed under the CAA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 - OTHER INFORMATION

MSDS Revision Date: October 2014

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 1

Flammability: 1

Reactivity: 0

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which Chemical Distribution Solutions assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.