

# SAFETY DATA SHEET



Colonial Chemical Solutions, Inc.

## SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

### PRODUCT

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

### COMPANY IDENTIFICATION

**Supplier:** COLONIAL CHEMICAL SOLUTIONS, INC.  
916 West Lathrop Avenue  
Savannah, Georgia 31415

**24 Hour Emergency Telephone:** (800)-424-9300 CHEMTREC  
**General Information:** (912) 236-1331

## 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.

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## 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:**

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## 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 information above is believed to be accurate and represents the best information currently available to us. However, Colonial Chemical Solutions makes 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 should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Colonial be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Colonial has been advised of the possibility of such damages. The vendor assumes no responsibility for injury or damages resulting from the inappropriate alteration or manipulation of this MSDS and its contents from that originally submitted by Colonial.