



Carolina International Sales Co., Inc

MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com

1. PRODUCT NAME: Dibasic Ester
2. CHEMICAL NAME: Mixture
3. SYNONYMS: DBE
4. CAS NUMBER: Mixture
5. COMPOSITION: Apidic Acid, Dimethyl Ester; (Dimethyl Adipate)
Cas: 627-93-0
OSHA PEL: N/K
ACGIH TLV: N/K
Dimethyl Glutatate (MFR Cas # 1119-40-0)
Cas: 119-40-0
OSHA PEL: N/K
ACGIH TLV: N/K
Succinic Acid, Dimethyl Ester; (Dimethyl Succinate)
Cas: 106-65-0
OSHA PEL: N/K
ACGIH TLV: N/K

IN CASE OF
TRANSPORT EMERGENCY
CONTACT CHEMTREC
USA: 1-800-424-9300
INTERNATIONAL: 1-703-527-3887

6. PROPERTIES:
- | | | |
|-----------------------|----------------------------|--------------------|
| Molecular Weight | 146.1 AMU | |
| BP/BP Range | 196 - 225 °C | 760 mmHg |
| Vapor Pressure | 0.2 mmHg | 20 °C |
| Vapor Density | N/A | |
| Saturated Vapor Conc. | N/A | |
| SG/Density | 1.092 g/cm3 | |
| Flash Point | 212 °F 100 °C | Method: closed cup |
| Explosion Limits | Lower: 0.9 %
Upper: 8 % | |
| Flammability | N/A | |
| Autoignition Temp | 370 °C | |
| Refractive Index | 1.424 | |

7. HAZARDS: EMERGENCY OVERVIEW

Irritant.
Irritating to eyes, respiratory system and skin.
Target organ(s): Nose. Liver. Eyes. Readily absorbed through skin.

8. FIRE FIGHTING INFORMATION: FLASH POINT: 212 F, 100 C
LOWER LIMITS: 0.9%
UPPER LIMITS: 8%
EXTINGUISH MEDIA: Use water spray, Carbon Dioxide, dry chemical powder or appropriate foam.
FIRE FIGHTING PROCEDURES: Wear NIOSH/MSHA approved SCBA & Full Protective Equipment.
UNUSUAL FIRE/EXPLOSION HAZARD: None specified by manufacturer.

9. PERSONAL PROTECTION MEASURES: RESPIRATORY PROTECTION: Wear appropriate NIOSH/MSHA approved respirator.
VENTILATION: Use only in a chemical fume hood.
PROTECTIVE GLOVES: Chemical-Resistant gloves.
EYE PROTECTION: Ansi approved chem. Workers goggles.
OTHER PROTECTIVE EQUIPMENT: Wear protective clothing. Emergency eyewash & delude shower



Carolina International Sales Co., Inc

MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com

meeting Ansi design criteria.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling.

Supplemental Safety and Health

TRADE NAME/PART #: Glutarate Dimethyl Succinate & Dimethyl Adipate.

10. FIRST AID PROCEDURES: EYES.SKIN: Immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: Wash out mouth with water provided person is conscious. Call MD.

11. EXPOSURE LIMITS: NE

12. TOXICOLOGICAL ROUTE OF EXPOSURE

INFORMATION: Skin Contact: Causes skin irritation. Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption. Vapor or mist is irritating to the eyes, mucous membranes, and upper respiratory tract.

TARGET ORGAN(S) OR SYSTEM(S)

Liver. Eyes. Nose.

SIGNS AND SYMPTOMS OF EXPOSURE

Toxic effects described in animals from exposure by inhalation include upper respiratory tract irritation. A single 4-hour exposure to 60 ppm caused transient corneal opacity and transient increases in the distance from the cornea to the anterior surface of the lens of the eye. Toxicity described in animals from repeated exposure by inhalation include decreased weight gain, absolute and relative liver weight decrease, and degeneration of olfactory epithelium (nasal tissue). Toxicity described in animals from repeated exposure by ingestion include weight loss, but there were no pathological abnormalities noted. A single application of 10 microliters to the eye caused corneal opacity. The administration of 10-100 microliters of a similar mixture caused corneal opacity, transient increases in corneal thickness, and transient corneal anesthesia. A single application of approximately 60 mg/kg to the skin caused transient increases in the distance from the cornea to the anterior surface of lens of the eye.

13. ECOLOGICAL INFORMATION: NE

14. DISPOSAL CONSIDERATIONS: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State, and Local Environmental Regulations.

15. CARCINOGENIC PROPERTIES & NOTIFICATIONS: NE

16. TRANSPORT INFORMATION: DOT

Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

17. HANDLING & STORAGE: PRECAUTIONS: Do not breathe vapor. Avoid contact with eyes, skin and clothing. Avoid Prolonged or repeated exposure. Readily absorbed through skin. Irritant.



Carolina International Sales Co., Inc

MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com

OTHER PRECAUTIONS: Keep tightly closed. Store in a cool dry place.

18. ACCIDENTAL SPILL RELEASE PROCEDURES: Evacuate area. Wear NIOSH/MSHA approved SCBA, Rubber Boots and heavy Rubber gloves.
MEASURES: NEUTRALIZING AGENT: None Specified by manufacturer.

19. REGULATORY EU ADDITIONAL CLASSIFICATION

INFORMATION:

Symbol of Danger: Xi

Indication of Danger: Irritant.

R: 36/37/38

Risk Statements: Irritating to eyes, respiratory system and skin.

S: 26 36

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Irritant.

Risk Statements: Irritating to eyes, respiratory system and skin.

Safety Statements: Wear suitable protective clothing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

US Statements: Target organ(s): Nose. Liver. Eyes. Readily absorbed through skin.

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No



MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com



Carolina International Sales Co., Inc

MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com
