

MATERIAL SAFETY DATA SHEET

DIMETHYL SEBACATE

Issuing Date: Mar 01,2021

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Dimethyl Sebacate
CAS # 106-79-6
CHEMICAL NAME : Decanedioic acid
, dimethyl ester
MOLECULAR FORMULA : C₁₂H₂₂O₄
MOLECULAR WEIGHT : 230.3
24 HOURS EMERGENCY CONTACT PERSON:Dana
MANUFACTURER: Qingdao YLSC Industry&Trade Co.,Ltd.
Room 501,2-3 Unit No.8,Zhengzhou Road,Qingdao,China
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2.HAZARDOUS IDENTIFICATION

******* EMERGENCY OVERVIEW *******

A low melting white solid that melts just above room temperature or a clear, oily liquid with essentially no odor. Direct contact with the material may be mildly irritating to the skin and eyes. This product does not present an immediate concern for emergency personnel

POTENTIAL HEALTH EFFECTS

EYES : May cause slight irritation

SKIN : May cause slight irritation

INGESTION: May be harmful if ingested in sufficient quantities.

INHALATION: High gas, vapor, or mist concentrations may be harmful if inhaled.

CHRONIC (CARCINOGEN): This material is not listed by IARC, NTP or OSHA as a carcinogen. No test data is available that indicates this material is a carcinogen

TERATOGENICITY: No data available.

MUTAGENICITY :No data available

3.COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS #	% BY WT.
Dimethyl Sebacate	106-79-6	100

4.FIRST AID MEASURES

EYES : Immediately flush the eyes with plenty of water for at least 15 minutes. Call a physician

SKIN : Wash thoroughly after skin contact

INGESTION: If swallowed, do not induce vomiting. Get prompt medical attention.

INHALATION: Remove from exposure. If not breathing, give artificial respiration and call a physician

5. FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES: FLASHPOINT 293°F (145°C) METHOD:unknown

FLAMMABLE LIMITS: LEL Not available UEL Not available

AUTOIGNITION: Not available

COMBUSTION PRODUCTS: As with other organic materials, combustion will produce ca monoxide and carbon dioxide

EXTINGUISHING MEDIA : Foam, dry chemical, carbon dioxide, water spray

FIREFIGHTING INSTRUCTIONS : Wear self-contained breathing apparatus and protective clothing. Normal firefighting procedures may be used.

6.ACCIDENTAL RELEASE MEASURES

If solid, small spills may be swept up. Large spills should be contained, and if molten, allowed to solidify Shovel or sweep up the spill and place in chemical waste container. If ambient temperature is too high Shovel or sweep up the spill and place in chemical waste container. If ambient temperature is too high for the material to solidify, contain spilled liquid with sand or vermiculite and place in chemical waste container. Prevent runoff from entering drains, sewers, and streams

7.HANDLING AND STORAGE

HANDLING : Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after handling

STORAGE : This product should be stored at ambient temperature in a dry, well-ventilated location. Keep container closed when not in use.

8.EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS : Use with adequate ventilation. The use of local mechanical ventilation is recommended whenever this product is used in a confined space or heated above ambient temperature

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYES / FACE : Goggles or glasses with side shields.

SKIN : Clothing should be sufficient to minimize physical contact.Impermeable gloves recommended (i.e., neoprene). **RESPIRATORY :** The use of a NIOSH-approved organic vapor respirator is recommended whenever this product is used in a confined space or heated above oxygen-ambient temperature. Air-purifying respirators must not be used in oxygen-deficient atmospheres

9.PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Above room temp.: Clear, oily liquid. Below room temp. Crystalline solid

ODOR :Mild

pH: Not available

PHYSICAL STATE: See "Appearance"

VAPOR PRESSURE: < 1 mm Hg @ 25°C

VAPOR DENSITY :7.93

BOILING POINT : 175°C @ 20 mm Hg

FREEZING/MELTING POINT: 26°C (79°F)

SOLUBILITY (WATER) : < 0.01% @ 20°C

SPECIFIC GRAVITY : 0.988 @ 28°C

EVAPORATION RATE : < 1 (Butyl Acetate = 1)

10.STABILITY AND REACTIVIT

STABILITY:Stable

INCOMPATIBILITY:Incompatible with oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: As with other organic materials, combustion will produce carbon monoxide and carbon dioxide.

POLYMERIZATION: Will not occur.

11.TOXICOLOGICAL INFORMATION

Acute toxicity

Irritation May cause slight irritation to skin and eyes on contact.

Oral Oral LD50 (rat) >16,000 mg/kg

Dermal Not available

Inhalation Not available

Multiple dose effects

This material is not listed by IARC, NTP or OSHA as a carcinogen. No test data is available that indicates this material is a carcinogen.

Reproductive effects:

No data available

12.ECOLOGICAL INFORMATION

No data available. Estimates from environmental models suggest that this material is readily biodegradable and will not persist in the environment.

13.DISPOSAL CONSIDERATIONS

Disposal must be in accordance with Federal, State, and Local regulations.

14.TRANSPORT INFORMATION

DOT SHIPPING CLASSIFICATION	Synthetic Plastic Plasticizer
DOT HAZARD LABEL	Non-Hazardous
DOT HAZARD CLASS	Not applicable
UN NUMBER	Not applicable
IMO	Not listed

15.REGULATORY INFORMATION

OSHA STATUS
Irritant.

SARA TITLE III
Not applicable

CERCLA
Not applicable

TSCA Yes
CANADA Yes - DSL
EINECS 203-431-4

INVENTORIES
JAPAN 2-879X
AUSTRALIA Yes
KOREA KE-09414

CHINA Yes
PHILIPPINES Yes
SWITZERLAND No

16.OTHER INFORMATION

The information contained herein is true and accurate to the best of our knowledge. No warranty or guarantee is expressed or implied regarding the accuracy of such data. It is the user's responsibility to determine the suitability for his own use of the products described herein. Nothing herein shall constitute permission, inducement, or constitutes permission, inducement, or recommendation to practice any intervention covered by any patent nor as a recommendation to use any product or to practice any process in violation of any law or government regulation.

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