

OPTIMISTIC ORGANIC SDN BHD

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www.oosb.com.my

An ISO 9001:2015, 14001:2015 and OHSAS 18001:2007 Certified Company



COMPANY PROFILE

Optimistic Organic Sdn Bhd (OOSB) is a private limited company incorporated and domiciled in Malaysia. OOSB is the step-down subsidiary of Thirumalai Chemicals Limited, which is the flagship company of the Thirumalai Group. REACH certified products adhere to the highest standards of health and safety. OOSB has a presence in more than 34 countries. OOSB has implemented international management systems and is accredited in Quality Management Systems (ISO 9001), Environment Management Systems (ISO 14001) and Occupational Health and Safety systems (OHSAS 18001).



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FOR MORE INFO
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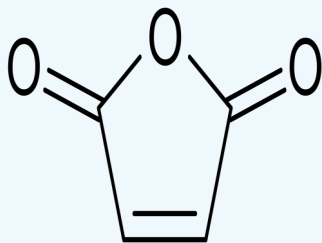


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MALEIC ANHYDRIDE

MALEIC ANHYDRIDE

C₂H₂(CO)₂O | CAS #108-31-6 | REACH No. 01-2119472428-31-0008

INTRODUCTION

Maleic anhydride is an organic compound with the formula C₂H₂(CO)₂O. MALEIC ANHYDRIDE It is the acid anhydride of maleic acid. OOSB Malaysia adopts fixed bed process of manufacturing from raw material n- Butane. The advantage of using n-Butane over benzene is that it is more environmental friendly and not carcinogenic. Therefore, n- Butane process is superior to benzene oxidation process. OOSB's Maleic Anhydride is available in both briquette and molten form.

USAGE

Maleic Anhydride is mainly used in the manufacturing of unsaturated polyester resins, alkyd resins, paper sizing chemicals, water treatment chemicals, lubricant oil additives, paints and inks, etc.

In addition, maleic anhydride is also used as raw material for Fumaric acid, Tetrahydrofuran(THF), 1,4-Butanediol, Tetrahydrophthalic anhydride and series of maleate esters.

PRODUCT SPECIFICATION

SR. No.	CHARACTERISTICS	UNITS	SPECIFICATIONS	TEST METHOD	REMARKS
1	Purity	Wt%	99.70 Min	SAP/LAB/10	Gas Chromatography
2	Molten Colour	APHA	20 Max	ASTM D 1209	
	Heat Stability				
3	(at 140 °C for 2 hrs)	APHA °C	40 Max	ASTM D 1209	
4	Solidification Point	—	52.5 Min	ASTM D 1493	
5	Ash Content	ppm	10 Max	ASTM D 482	Gravimetry Method
6	Iron Content	ppm	2.0 Max	ASTM D 1068	UV Spectrophotometer

PACKAGING

OOSB Malaysia provides Maleic Anhydride packaging options:

1. Briquettes:
 - a. 25 kg Paper Bags, stretch wrapped and palletized
 - b. 500 kg jumbo bags
2. Molten: ISO Tanks

STORAGE

Store in a tightly closed original container, in a dry, cool and well-ventilated place. Do not store near heat sources or expose to High Temperatures. Protect from freezing and direct Sun Light. Avoid contact with Oxidising Agents.



MALEIC ANHYDRIDE

BRIQUETTES



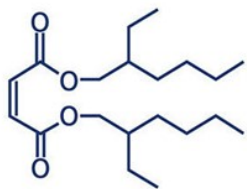
25 KG BAGS



500 KG JUMBO BAGS



ISO TANK (24 MT)



DIOCTYL MALEATE

MALEATE ESTERS

DIOCTYL MALEATE

$C_{20}H_{36}O_4$ | CAS #142-16-5 | REACH No. 01-2119524002-60-0011

INTRODUCTION

Dioctyl Maleate (DOM) is an ester of maleic anhydride. It is used as a plasticizer. It is a phthalate free alternative common phthalate based plasticizer like DOP.

DOM finds its application mainly in manufacturing of Dioctyl Sodium Sulfosuccinate (DOSS), pressure sensitive adhesives, emulsion paint systems, etc.

PRODUCT SPECIFICATION

SR. NO	CHARACTERISTICS	UNITS	SPECIFICATIONS	TEST METHOD
1	Appearance	-	Clear Colourless liquid	Visual
2	Colour, Pt-Co scale	APHA	50 max	ASTM D 1209
3	Acid Value	mg of KOH/g	0.10 max	ASTM D 1613
4	Density at 20 °C	g/cm ³	0.935 - 0.945	ASTM D 4052
5	Ester Content	%w/w	98.50 Min	SAP/LAB/68
6	Moisture Content	%w/w	0.10 Max	ASTM E 1064
7	Dioctyl Fumarate	%w/w	5.00 Max	SAP/LAB/68

DIBUTYL MALEATE

$C_{12}H_{20}O_4$ | CAS #105-76-0 | REACH No.01-2119523581-45-0004

INTRODUCTION

Dibutyl Maleate (DBM) is an ester of maleic anhydride. It is used as a plasticizer. It is a good substitute for acrylic esters.

DBM is used as a in resins, water-based emulsion paints, construction antiseptis material, PU dispersions, etc.

PRODUCT SPECIFICATION

SR. NO	CHARACTERISTICS	UNITS	SPECIFICATIONS	TEST METHOD
1	Appearance	-	Clear Colourless liquid	Visual
2	Colour, Pt-Co scale	APHA	25 max	ASTM D 1209
3	Acid Value	mg of KOH/g	0.20 max	ASTM D 1613
4	Density at 20 °C	g/□	0.993 - 0.995	ASTM D 4052
5	Ester Content	%w/w	98.50 Min	SAP/LAB/69
6	Moisture Content	%w/w	0.05 Max	ASTM E 1064
7	Dibutyl Fumarate	%w/w	3.00 Max	SAP/LAB/69

PACKAGING

IBC Packaging (17.1MT/FCL)
HM HDPE barrels (15.2MT/FCL)
ISO Tanks (22-24MT/ ISO)

18 IBC/FCL (950kg/IBC)
80 barrels/FCL (190kg/ barrel)



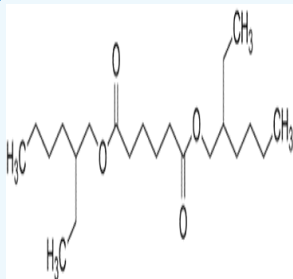
IBD PACKAGING



BARREL PACKAGING



ISO TANK



DIOCTYL ADIPATE

DIOCTYL ADIPATE

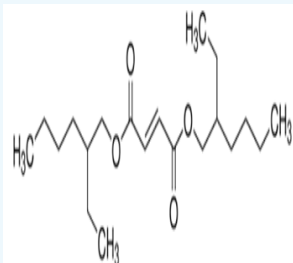
C22H42O4 | CAS. # 103-23-1

INTRODUCTION

Dioctyl adipate(DOA) is a clear, colorless liquid. It is a highly efficient plasticizers which imparts excellent low temperature flexibility and resistance to impact to the base resin. It is extensively used in food contact application.

PRODUCT SPECIFICATION :

Sr.	CHARACTERISTICS	UNITS	SPECIFICATIONS	TEST METHOD
1	Appearance	-	Clear Colourless liquid	Visual
2	Colour, Pt-Co scale	APHA	30 Max	ASTM D 1209
3	Acidity	%w/w	0.02 Max	ASTM D 1045
4	Density at 20 °C	g/ cm ³	0.923 - 0.926	ASTM D 4052
5	Moisture Content	%w/w	0.1 Max	ASTM E 1064
6	Ester Content by GC	%w/w	99.0 Min	SAP/LAB/87



DIOCTYL FUMARATE

PACKAGING FOR DIOCTYL ADIPATE :

Dioctyl adipate is available in liquid form. It is packed in HMHDPE barrels. Full Container Load: 1) 185 Kg/barrel (80 barrels * 185 kg =14.8 MT/FCL) 2) Iso Tanks: 22-24 MT net. 3) IBC: 925 Kg/IBC (20 IBC *925kg =18.5 MT/FCL)

DIOCTYL FUMARATE

C20H36O4 | CAS. No. 141-02-6

INTRODUCTION

Dioctyl fumarate (DOF) is a clear, colorless liquid. It is widely used as a starting material for surface active agents. Used as a Monomer for Polymerization or Copolymerization to polymers. Used as a modifier to improve the softness or brittleness of various resins and to adjust viscosity.

PRODUCT SPECIFICATION :

PACKAGING FOR DIOCTYL FUMARATE :

Sr. NO	CHARACTERISTICS	UNITS	SPECIFICATIONS	TEST METHOD
1	Appearance	-	Clear Colourless liquid	Visual
2	Colour, Pt-Co scale	APHA	50 Max	ASTM D 1209
3	Acidity	%w/w	0.02 Max	ASTM D 1045
4	Density at 20 °C	g/ cm ³	0.940 - 0.943	ASTM D 4052
5	Moisture Content	%w/w	0.1 Max	ASTM E 1064
6	Ester Content by GC	%w/w	98.0 Min	SAP/LAB/86

Full Container Load: 1) 190 Kg/barrel (80 Barrels *190 kg =15.2 MT/FCL) 2) Iso Tanks: 22-24 MT net. 3) IBC: 940 Kg/IBC (20 IBC *940kg = 18.8 MT/FCL)



IBC PACKAGING



BARREL PACKAGING



ISO TANK