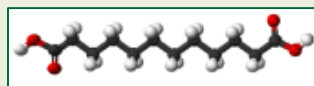


BIOLON® Dodecanedioic Acid

Product Description

Verdezyne's biobased dodecanedioic acid (BIOLON DDDA) is a purified C₁₂ dicarboxylic acid that is available in white powder form.



Applications

- High performance polyamides
- Polyester coatings
- Diester synthetic lubricants
- Adhesives
- Corrosion Inhibitors
- Powder coatings
- Plasticizers
- Epoxy resins

Product Information

Verdezyne's BIOLON DDDA is produced through a bio-manufacturing process of renewable oil products. Approximate shelf life of DDDA is 3 years when stored in original packaging. Actual shelf life may vary depending on packaging type and storage conditions.

Technical Information

Specifications

Component	Specification
1,12 – Dodecanedioic Acid, wt. %	98.6 Min
Other Dicarboxylic Acids, wt. %	1.0 Max
Monobasic Acids, wt. %	0.08 Max
Water, wt. %	0.4 Max
Ash, ppm*	5 Max
Iron, ppm	1.0 Max
Total Nitrogen, ppm	34 Max

*IC or ICP-based method

Packages

Plastic Bags	20 kg and 50 lb net
Hopper Cars	60 and 80 MT net
Flexible Intermediate Bulk Container (FIBC)*	500 kg and 1000 kg net

*FIBCs may be reused and recycled

Shipping Information

DOT Shipping Name	1,12-Dodecanedioic Acid
DOT Hazard Classification	Not regulated
Freight Classification	Dodecanedioic Acid



General Information

CAS Registry Number	693-23-2	
EC Number	211-746-3	
Molecular Weight	230.31	
Boiling Point, °C 10 mm Hg	245	
Melting Point, °C	128 to 130	
Specific Gravity, 25 °C	1.15	
Specific Gravity, 140 °C	0.953	
pK _{a1}	5.70	
pK _{a2}	6.60	
Solubility:	Temp	wt%,
Solvent	°C	DDDA
Water	25	0.004
	100	0.4
Benzene	35	0.006
	65	0.15
Acetone	20	1.0
	55	7.5
Hansen Solubility (MPa ^{1/2})		
	dD	16.6
	dP	4.7
	dH	9.3

For Samples and Information

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