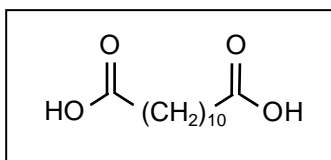


Dodecanedioic Acid (DDDA)

Product Description

A highly pure C₁₂ dibasic acid that is available in white flake form.



Applications

- Adhesives
- Corrosion inhibitors
- Capacitor electrolyte
- Diester synthetic lubricants
- Fibers
- Powder coating curative
- Plasticizers
- Polyester coatings
- Epoxy resin
- Polyamide resins

Specifications

Component wt%	
1,12-Dodecanedioic Acid	98.5 Min.
Other Dicarboxylic Acids	1.0 Max.
Monobasic Acids	0.08 Max.
Water	0.4 Max.
Ash, ppm	2 Max.
Iron, ppm	1.0 Max.
Total Nitrogen, ppm	34 Max.

General Information

CAS Registry Number	693-23-2	
Molecular Weight	230	
Melting Point, °C	130±1	
Specific Gravity, 25°C	1.15	
pK _{a1}	5.70	
pK _{a2}	6.60	
Solubility:		
Solvent	Temperature, °C	wt%, DDDA
Water	60	0.012
	100	0.4
Benzene	35	0.006
	65	0.15
Acetone	20	1.0
	55	7.5
Solubility Parameter		
Overall	δ	12.2
Nonpolar	δ D	8.9
Polar	δ p	7.0
H-bonding	δ H	4.3
Radius		1.3

Shelf-life

An approximate shelf life of DDDA is 3 years, if the product is stored in the original container, unopened and dry, in a well ventilated location. Because storage and local ambient conditions vary and INVISTA has no control over the practices, procedures and conditions at your or other locations, the shelf life estimate provided here should be used as guidance only. It is not provided as a guarantee of any shelf life.

Shipping Information

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

Packages

Paper, Plastic Bags 50 lb net
Hopper Cars 130,000 or 175,000 lb net
Flexible Intermediate Bulk
Container (FIBC)* 500kg, 1000kg

*FIBCs may be reused and recycled.

For Samples and Information:

INVISTA Specialty Intermediates • (800) 231-0998
World Wide Web address: www.c12.INVISTA.com

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