

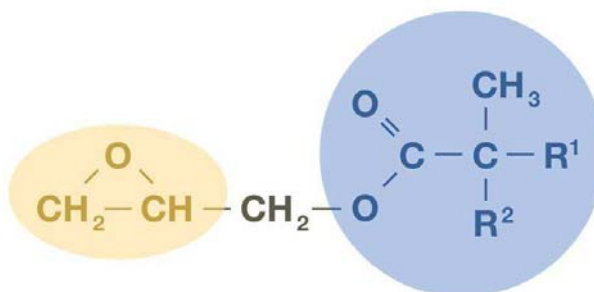
product data sheet

CARDURA™ N-10

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Description

Cardura N-10 is the glycidyl ester of VERSATIC 10, a synthetic saturated monocarboxylic acid mixture of highly branched C₁₀ isomers. Its structure may be represented as:



Where R¹ and R² are alkyl groups. Cardura N-10 is a liquid product with a low viscosity, and a mild odor.

Applications

Cardura N-10 is used as an intermediate for the manufacture of resins and polymers and for different chemical syntheses via reactions with its epoxide group. Its unique reaction characteristics and properties make Cardura N-10 attractive for a wide variety of paint applications, particularly those based on polyesters, acrylics and epoxy resins.

Cardura N-10 is also used as a reactive diluent for epoxy resins based on bisphenol A, bisphenol F or blends of these two. Typical applications for Cardura N-10 diluted resins include solvent-free coatings curing at ambient temperature and compositions for the civil engineering industry, including floorings and concrete repair compounds. Cardura N-10 has good wetting characteristics and offers better crystallization resistance and improved chemical resistance in the diluted resin compared to many other monofunctional diluents.

HEXION™
Specialty Chemicals

CARDURA™ VEOVA™ ACE™ VERSATIC™ ACIDS CARDURA™ VEOVA™ ACE™

Sales specification

Property	Test method	Unit	Value
Epoxy Equivalent Weight	ASTM D1652	g/mol	240 - 256
Epoxy group content	ASTM D1652	mmol/kg	4167-3906
Color	ASTM D5386	Pt-Co	50 max
Density at 25°C	ASTM D4052	kg/L	0.945-0.965
Water content	ASTM D4928	% (m/m)	0.1 max
Appearance	visual	-	Clear liquid, free from suspended matter

Test methods

ASTM Standards are published by the American Society for Testing and Materials, 100 Barr Harbor Drive, west Conshohocken, PA 19428-2959, USA or can be found under www.astm.org.

Transportation and storage

Information on transport, storage, suitable materials for tank construction, etc, is available from Hexion Specialty Chemicals, via local representative or distributor.

Handling precautions

For more detailed information on all aspects relating to Health, Safety and Handling, reference should be made to the Safety Data Sheet of Cardura N-10, which is available from your local Hexion Specialty Chemicals representative or distributor. The precautions advised therein should be strictly observed

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