

Advanced Materials**Araldite® DY-D**

Reactive Diluent for Epoxy Resins

**Araldite® DY-D
Reactive Diluent****Key properties**

- No appreciable effect on pot life
- Good viscosity reduction
- Low vapor pressures

Description

Araldite® DY-D reactive diluent is 1,4-butanediol diglycidyl ether, technical grade. Araldite® DY-D reactive diluent that can be used with liquid epoxy resins to lower their viscosity and improve handling properties.

Applications

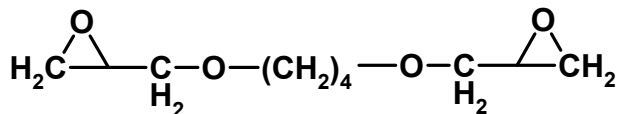
Castings, Coatings, Electrical, Laminating and Tooling

Product data*

	Araldite® DY-D Reactive Diluent
Visual Appearance	Clear, no contamination
Color, Gardner, max.	2
Epoxy Value (eq./kg)	8.0 – 8.5
Epoxy Equivalent (g/eq.)	118 - 125
Viscosity at 25°C (cP)	15 – 20
Flash Point, Closed Cup (°C)	138
Density at 25°C (g/cm ³ , lb/gal)	1.09, 9.17

* Product data are based on Huntsman's test methods. Copies are available upon request.

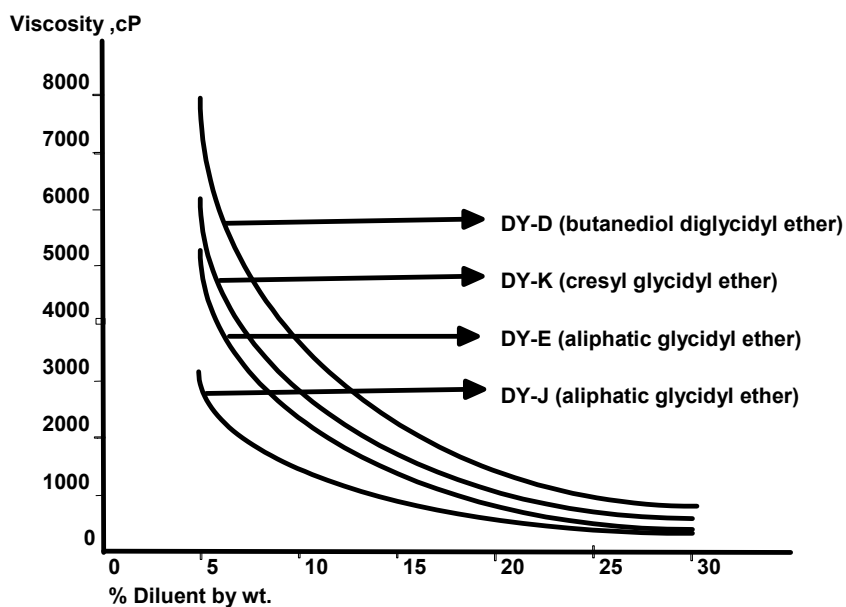
Chemical Structure



Formulations

The graph below shows the effect of various Huntsman reactive diluents used with Araldite® GY 6010 epoxy.

Viscosity Reduction Curves



Viscosity Reduction @ 25oC of Araldite® GY 6005 & Araldite® GY 6020 with Araldite® DY-D

Araldite® DY-D	Araldite®GY 6005 (cP)	Araldite®GY 6020 (cP)
0 %	9 100	16 500
15 %	1 200	2 700
25 %	600	800
35 %	360	800
45 %	230	500

Storage

Araldite® DY-D reactive diluent should be stored at room temperature in the original sealed container. The expiry date is indicated on the label.

Handling precautions**Caution**

To protect against any potential health risks presented by our products, the use of proper personal protective equipment (PPE) is recommended. Eye and skin protection is normally advised. Respiratory protection may be needed if mechanical ventilation is not available or is insufficient to remove vapors. For detailed PPE recommendations and exposure control options consult the product MSDS or a Huntsman EHS representative.

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