

EADC

(Ethylaluminum dichloride)

Abbreviation: EADC
Formula: C₂H₅AlCl₂
Molar Mass: 126.95 g/mol
CAS-Reg.-No.: 563-43-9
EINECS/ELINCS No.: 209-248-6

Specification:

	Value	Unit
Al content:	20.7 – 21.3 ^a	wt%
Cl content:	55.0 – 56.2	mole%
Composition of the hydrolysis gas:		
Ethane	98.5 – 100.0 ^b	mole%
n-Butane	0.0 – 1.0 ^b	mole%
Hydrogen	0.0 – 0.1 ^b	mole%

Notes: ^aDetermined by titration of aqueous hydrolyzate.

^bCalculated from gas chromatographic analysis of hydrocarbons and hydrogen obtained by hydrolysis.

Technical Data: (Values determined on representative samples or taken from literature)

Appearance: Clear liquid at 20°C
Vapor pressure: 7.0 hPa at 60°C
16.0 hPa at 80°C
40 hPa at 100°C
92 hPa at 120°C
Freezing Point: below 31 °C
Density: 1.226 g/cm³ at 30°C
1.219 g/cm³ at 40°C
1.200 g/cm³ at 50°C
Viscosity: 2.3 mPa.s at 30°C
1.9 mPa.s at 40°C
3.7 mPa.s at 50°C
Specific heat: 1.23 J/g – K at 25°C
Heat of vaporization: 164 KJ/kg at 1 bar
Heat of hydrolysis: 2806 kJ/kg at 25°C
Limit of thermal stability: 3 h/1 bar N₂ (approx. 140 °C *)

Supply Form:

Ethylaluminum dichloride is supplied undiluted or as a solution in an inert hydrocarbon in any concentration as agreed with the customer.

Packaging and Supply:- For safe transportation supply in a special small Portable ASME pressure container as per IMDG guidelines.

REDWOP CHEMICALS PVT. LTD.

Second Floor, Pearlplaza Complex, beside GT Sheth School,
150 Feet Ring Rd, near KKV Hall, Rajkot, Gujarat 360005

Web: www.redwop.net
Contact: +91 97246 55551
Tele: 0281 2576664

Storage Stability:

When stored under suitable conditions in unopened original containers, shelf life is at least two years.

Industrial Application:

Catalyst component for the production of polyolefins and synthetic rubbers with Ziegler-Natta-catalysts and for the dimerisation of olefins. Friedel-Crafts-catalyst

Labeling:

Classification & labeling according to current GHS and DG legislation. For further information please refer to our respective safety data sheet.

Handling:

Instructions on handling, transportation and necessary precautions to be taken are given in our safety data sheet. In general, when handling the product, the local appropriate regulations should be observed.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Redwop, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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