

DEAL-OX

(Diethyl Aluminium Ethoxide)

Abbreviation:	DEAL-OX
Formula:	(C ₂ H ₅) ₂ AlOC ₂ H ₅
Molar Mass:	130.17 g/mol
CAS-Reg.-No.:	1586-92-1
EINECS/ELINCS No.:	216-447-1

Specification:

	Value	unit
Al content:	19.8 – 20.9 ^a	wt%
Ethoxide :	33.4 – 35.0	mole%
Composition of the hydrolysis gas:		
Ethane	96.2 – 100.0 ^b	mole%
n-Butane	0.0 – 3.5 ^b	mole%
Hydrogen	0.0 – 0.6 ^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
Freezing Point:	-55 °C
Density:	0.870 g/cm ³ at 20°C 0.851 g/cm ³ at 30°C
Viscosity:	3.7 mPa.s at 20°C 2.3 mPa.s at 30°C

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
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Heat of vaporization: 146 KJ/kg at 1 bar Normal boiling point

Supply Form:

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

Storage Stability:

When stored under suitable conditions in unopened original containers, shelf life is at least two years. DEAL-OX and its solutions are stable when stored under a dry, inert atmosphere and away from heat. DEAL-OX slowly decomposes at temperatures above ~ 185°C.

Industrial Application:

Catalyst component for olefin polymerization and synthetic rubber.

Labeling:

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

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

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

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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.

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