

TEAL

(Triethyl Aluminium)

Abbreviation:	TEAL
Formula:	(C ₂ H ₅) ₃ Al
Molar Mass:	114.17 g/mol
CAS-Reg.-No.:	97-93-8
EINECS/ELINCS No.:	202-619-3

Specification:

	Value	unit
Al content:	≥ 23.0 ^a	wt%
Composition of the hydrolysis gas:		
TEAL	≥ 94.0 ^b	mole%
TnBAL	≤ 6.0 ^b	mole%
AlH ₃	≤ 0.6 ^b	mole%
Other R ₃ Al	≤ 0.1 ^b	mole%

Notes: Determined 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:	-50 °C
Density:	0.834 g/cm ³ at 20°C 0.832 g/cm ³ at 25°C
Viscosity:	2.6 mPa.s at 20°C 1.8 mPa.s at 40°C
Heat of vaporization:	533 KJ/kg at 1 bar Normal boiling point
Specific heat:	2.09 J/g – K at 25°C
Heat of hydrolysis:	4636 kJ/kg at 25°C
Limit of thermal stability:	3 h/1 bar N ₂ (approx. 120 °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
Contact: +91 97246 55551
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Supply Form:

Triethyl aluminium 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.

Industrial Application:

Catalyst component for the production of polyolefins and synthetic rubbers. Ethylating agent.

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

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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