

ETHANE N45 / C₂H₆



Air Liquide's Gas Encyclopedia - Pages: 521 - 528

Applications

Organic synthesis
R&D

Transport information

Liquified Gases

Proper shipping name	Ethane
UN-Nr	1035
ADR/RID	Class 2 Classification code 2 F



Safety Data Sheets

Liquefied gas : N° EIGA051A
Access: <https://be.airliquide.com/>

Physical information

Molecular weight	30 g/mol
Relative density:	
Relative density, gas	1 (air=1)
Colour	Colorless
Odor	odorless, foul smell product often added
CAS number	74-84-0

Properties

Hazards identification: Extremely flammable, can cause asphyxiation

Flammability range: 2.4 to 14.3 (% vol in the air)



Cylinder equipment

Valve fittings

Cylinder: B8 - W 21.8 x 1.814 left-hand, male

Shoulder colour:

Red (RAL 3000)



Product Specifications

Global purity (% Vol. abs) <u>C₂H₆</u>	Impurities (ppm-mol)	Supply mode	Packaging size	Pressure	Capacity	Product reference
> 99,995 %	H ₂ O < 3	Cylinder	10L	33 bar	3 kg	P0505S10R0A001
	O ₂ < 3	Cylinder	50L	33 bar	14 kg	P0505L50R0A001
	N ₂ < 15					
	CO ₂ < 1					
	CnHm < 15 (n>2)					
	CH ₄ < 3					
	H ₂ < 5					
	C ₂ H ₄ < 5					

Disclaimer

L'AIR LIQUIDE S.A. and/or its affiliates ("AIR LIQUIDE") are not responsible for the use or consequences of use of the information contained in this Product sheet. AIR LIQUIDE does not hold itself out as recommending the use of the information contained herein or reliance thereon in any way, makes no warranties regarding the information contained in this document and assumes no liability or responsibility in connection with the information or suggestions contained herein. AIR LIQUIDE makes no representations or warranties regarding the completeness of this document and DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED INCLUDING, BUT NOT LIMITED TO, WARRANTY OF MERCHANTABILITY AND WARRANTY OF FITNESS FOR A PARTICULAR USE OR PURPOSE. The information contained in this product sheet is based on the technical information and experience currently available to AIR LIQUIDE. This document should not be confused with regulations (national or European), insurance requirements or codes. Moreover it should not be assumed that every acceptable local grade, test or safety procedure or method, precaution, equipment or device is contained herein, nor that abnormal or unusual circumstances may not warrant or suggest further requirements or additional procedures. It is up to users of this document to ensure that they have the latest edition. AIR LIQUIDE may, at its sole discretion, add, delete or change some or all of the information contained in this Product sheet. It is strictly forbidden to copy or reproduce some or all parts of this Product sheet without the written authorisation of AIR LIQUIDE. AIR LIQUIDE owns, reserves and retains all proprietary rights, including copyright, to the present Product sheet. This Product sheet and the photographs and images contained herein shall not be copied or reproduced in any way, sold, loaned, transferred or otherwise distributed to others, used for any purpose or in any manner detrimental to the interest of AIR LIQUIDE. The trademarks, service marks, trade names, logos or other indications of origin displayed in this Product sheet are registered and unregistered trademarks of AIR LIQUIDE or a third party from whom AIR LIQUIDE has obtained the right to use them in this Product sheet. Use of any copyright materials and/or trademarks is subject to the written approval of AIR LIQUIDE on a separate permission form.