



Air Liquide delivers Propylene in Europe and all around the world, in packages adapted to each customer.

General information

Official designation: Propene
Colorless - Non corrosive

Applications

The uses of propene include blend for gasoline (80% of volume), copolymer for polypropylene, synthesis of isopropanol, trimers and tetramers for detergents, propylene oxide, cumene, and glycerine. Propylene is used in calibration gas mixtures for petrochemical industry; environmental emission monitoring, industrial hygiene monitors and trace impurity analyzers.

Safety Data Sheet

Reference EIGA105, available on our website www.airliquide-benelux.com

Physical properties

Molecular weight: 42,08 g / mol
Relative density, gas: 1,5
Relative density, liquid: 0,6
CAS N°: 115-07-1

Transport information

ONU N° 1077 – Propylene
ADR/RID Class 2.1
ADR sticker 2.1- flammable gas

Product specifications – in mol ppm (gas phase)

Product Quality Purity	Propylene	C ₃ H ₆ N ₂ 0 ≥ 99 %	C ₃ H ₆ N ₂ 5 99.5 %
Impurities	H ₂ O	< 50 ppm	25,0 ppm
	O ₂	< 200 ppm	10,0 ppm
	CO ₂	< 10 ppm	5,0 ppm
	H ₂	< 10 ppm	10,0 ppm
	N ₂	< 800 ppm	200,0 ppm
	C ₃ H ₈	< 7000 ppm	/
	S	< 2 ppm	2,0 ppm
	Other C _n H _m	< 1500 ppm	/
	Saturated C _n H _m	/	5000,0 ppm
	Unsaturated C _n H _m	/	20,0 ppm

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.