

## ARCAL™ R1-2



*ARCAL™ : the Air Liquide solution for shielding gases and mixtures in arc welding*

### Applications

TIG and Plasma welding of austenitic stainless steels  
 TIG brazing of galvanised steels  
 TIG orbital welding of austenitic stainless steels

### Transport information

#### Compressed gases

Proper shipping name                      Compressed gas, N.O.S. (Argon,  
 Hydrogen)  
 UN-Nr    1956  
 ADR/RID    Class 2  
 Classification code 1A



### Safety Data Sheets

Compressed gas : 300-15-002ALBNL-ARC  
 Access: <https://be.airliquide.com/>

### Physical information

Relative density:  
     Relative density, gas    Heavier than air  
 Colour    Colorless  
 Odor    Odorless

### Properties

**Hazards identification:** Asphyxiation in high concentrations  
**Flammability range:** Non-flammable



### Cylinder equipment

**Valve fittings**  
 ALTOP / EXELTOP : Quick connector  
**Shoulder colour:**  
 Bright green (RAL 6018)



### Product Specifications

Components (% Vol. abs)			Impurities (ppm v/v)		Supply mode	Packaging size	Pressure	Capacity	Product reference
H <sub>2</sub>	2,4 %	±0,5 %	H <sub>2</sub> O (5 bar)	≤ 40	Cylinder	33L EXELTOP	200 bar	7 m <sup>3</sup>	I2512L33E2A001
Ar	Balance		O <sub>2</sub>	≤ 20					
			N <sub>2</sub>	≤ 80					

### Additional information

Product compliant with EN ISO 14175-R1-ArH-2.4 Standard (welding application)

## 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.