

# AMMONIA



## Liquid-product specification

			Typical value
Ammonia	% wt	min. 99.5	
Water	% wt	min. 0.1 - max. 0.5	0.2
Inert gas	ml / Nm <sup>3</sup>	max. 500	200
Oil	mg / kg	max. 10	
Iron	mg / kg	max. 1	

## Sampling and analysis techniques

Sampling	'In-house method' / ISO 7103
Ammonia	100% - %water
Water	Intertek 3223
Inert gas	Intertek 2029
Oil	Intertek 1549
Iron	Intertek 1308

## Physical properties

Formula			NH <sub>3</sub>
Molar mass			17,03
Critical temperature		°C	132,4
Critical pressure		bar	112,8
Gas density relative to air			0,59
Boiling point	at 1.0133 bar	°C	-33,4
Liquid density	-30 °C	kg/m <sup>3</sup>	680
	0 °C		637
	15 °C		620
	25 °C		603
	Vapour pressure	-30 °C	bar
	0 °C		4,3
	15 °C		7,3
	25 °C		10,0

## Warranty

The Product Data Sheet represents the only product warranty made regarding this product. This information is intended for use by persons having technical skills, at their own discretion and risk. Except as set forth above there are no warranties, express or implied, including warranties of merchantability or fitness for a particular purpose and seller shall not be liable for consequential damages.

## OCI NITROGEN B.V.

Mijnweg 1, 6167 AC Geleen  
 P.O. Box 601, 6160 AP Geleen  
 The Netherlands  
 T +31 46 7020203  
 E info.chemicals@ocinitrogen.com

All data, suggestions and information given herein is deemed to be accurate and reliable, but is presented without warranty (expressed or implied) whatsoever. OCI Nitrogen B.V. does not accept any liability in connection with this information or use. It is the responsibility of each user to determine whether the information in this document is appropriate/suitable for their particular use, application or processing. Nothing in this document shall be deemed to alter or waive any provision of OCI Nitrogen's General Conditions of Sale or this disclaimer.

15.12.2018