

NITRIC ACID

60%



Liquid-product specification

| | | |
|--------------------------------------|-------|---------------------|
| HNO ₃ | % m/m | min. 58.5 |
| HNO ₃ concentration range | mg/kg | min. 58.5 - max. 61 |
| Nitrous acid | mg/kg | max. 50 |
| Chloride [Cl] | mg/kg | max. 5 |
| Iron [Fe] | mg/kg | max. 1 |
| Ammonium nitrogen | mg/kg | max. 200 |

Sampling and analysis techniques

According to NEN6426 and Intertek 1642, 1884, 4101,1872 methods.

Physical properties

| | | | |
|----------------------|---|-------------------|------------------------|
| Formula | | | HNO ₃ (aq.) |
| Molar mass | | | 63,01 |
| State of aggregation | | | liquid |
| Appearance / odour | slightly yellowish transparant liquid / | | pungent odour |
| Density | at 20 °C | kg/m ³ | 1363 |
| Boiling point | at 1 bar | °C | 120 |
| Vapour pressure | at 20 °C | bar | 0,009 |
| Freezing point | | | °C -20 |
| Solubility in water | | | completely miscible |

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.

This product is subject to Regulation [EU] 98/2013, all suspicious transactions, disappearances and thefts should be reported to the relevant authority.

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