

**Nitric acid, solution 2 mol/l (2 N)****Identification**

HNO<sub>3</sub>  
M = 63,01 g/mol  
CAS [7697-37-2]  
EC number: 231-714-2  
Taric code: 2808 00 00

**Applications**

analytical chemistry, titrant in volumetric analysis, oxidizing agent.

**Specifications**

factor..... 0,999 - 1,001  
uncertainty ± 0,001

1 ml = 0,12602 g HNO<sub>3</sub>

This volumetric solution was checked by means of potentiometric methods using Scharlau's tris(hydroxymethyl)-aminomethane volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

**Packaging****Packaging Code**

1 l 25 g

**Physical data**

• Density: ~ 1,07 g/cm<sup>3</sup>

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

H314: Causes severe skin burns and eye damage.  
H272: May intensify fire; oxidiser.

**Precautionary Statements:**

P221: Take any precaution to avoid mixing with combustibles.  
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

• WGK: 1  
• Poison class CH (Swiss): 2

**Transport/storage**

• ADR: 8 C1 II • UN 2031 • NITRIC ACID  
• IMDG: 8 II • UN 2031 • NITRIC ACID  
• IATA/ICAO: 8 II • UN 2031 • NITRIC ACID  
• PAX: 807  
• CAO: 813  
• Store between 15°C and 25°C