

EUROGAS S.r.l.

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DATA SHEET
Cod. EURO-STS40
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Product: NITROUS OXIDE E942 LIQUID

Substance composition:

 $\begin{array}{ll} \mbox{Assay (N$_2$O)} & \geq 99,0 \ \mbox{$\%$ v/v$} \\ \mbox{Carbon monoxide (CO)} & \leq 30 \ \mbox{ppm} \\ \mbox{Nitrogen oxides (NO e NO$_2)} & \leq 10 \ \mbox{ppm} \\ \mbox{Humidity (H$_2$O)} & \leq 500 \ \mbox{vpm} \end{array}$

Purity requirements complying with Regulation (EU) no. 231/2012 of 9-03-2012 which establishes the specifications of the food additives listed in Annexes II and III of Regulation (EC) no. 1333/2008.

Physico-chemical properties

 $\begin{array}{lll} \text{Chemical formula:} & N_2O \\ \text{Classification:} & \text{comburent} \\ \text{Colour:} & \text{colourless} \\ \text{Smell:} & \text{sweet} \\ \text{Molecular weight:} & 44.013 \, \text{g/mol} \\ \end{array}$

Density (g/cm3): 1,2 (at 0°C and 1 bar)

Solubility in water (g/l): 567 (at 20°C) CAS Number: 10024-97-2 EINECS Number: 233-032-0

<u>Usage</u>

Liquid transferred into cryogenic containers / evaporators and reused, suitably gasified, in the food sector in the preservation and packaging of food in modified atmosphere.

Transport containers

The product is distributed in the liquid state by tanker.

<u>Labeling</u>

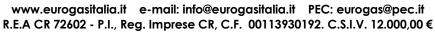
In compliance with ADR.

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