nitric acid

IDENTIFICATION NUMBERS

- **CAS:** 7697-37-2
- **EC/EINECS:** 231-714-2
- **International Chemical Safety Card (ICSC):** 0183

MORE INFORMATION

- **Molecular Formula:** HNO3
- **Synonyms:** ácido nítrico ... % [C>70%]

USES

antioxidant, pesticide, degreaser, solvent, cleaner

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS03

Oxidising gases



GHS05

Corrosive to metals



GHS06

Acute toxicity (oral, dermal, inhalation)

H Phrases

H331 : Toxic if inhaled

Tox.ag.,3

H314 : Causes severe skin burns and eye damage

Skin Corr. (Cat. 1A) : Skin corrosion/irritation

EUH071

H272 : May intensify fire; oxidizer

Ox. Liq., 2

Nota B

Labelling

Concentration	Labelling
C >= 20 %	C; R35
5 % <= C < 20 %	C; R34
C >= 70%	Footnote O; R8
C ≥99%	Ox. Liq., 2;H272
70%≤C <99 %	Ox. Liq., 3;H272

Specific health risks

Occupational Exposure Limits (OEL)

Daily exposure limit values (VLA-ED) published by the Spanish National Institute of Safety and Health at Work (INSST). They represent the average concentration of a chemical agent in the worker's breathing zone, measured or calculated in a time-weighted manner for an 8-hour daily working period. (https://www.insst.es/valores-limites-de-exposicion)

OCCUPATIONAL EXPOSURE LIMITS

State / Form	TWA (ppm)	TWA (mg/m³)	STEL (ppm)	STEL (mg/m³)	Notes
—	—	—	1	2.6	VLI

Specific environmental risks

Atmospheric emissions

Substances subject to atmospheric emission limitations under the Industrial Emissions Directive (2010/75/EU) and its Spanish transposition. Includes pollutants regulated in industrial installation emission permits and best available technique reference documents (BAT/BREF).

Restriction/prohibition regulations

Major accident hazards (Seveso)

Hazardous substances listed in Annex I of the Seveso III Directive (Directive 2012/18/EU), transposed in Spain by Royal Decree 840/2015. Their presence in industrial establishments in quantities equal to or above established thresholds triggers obligations to implement major accident risk control measures.

Substances under PACT evaluation

Substances under active regulatory monitoring through ECHA's PACT (Public Activities Coordination Tool). Allows tracking which regulatory authorities are examining a substance and what potential regulatory actions are being considered (restriction, SVHC identification, harmonised classification, etc.).

MEMBER STATE	ACTIVITY
Germany	RMOA
LAST UPDATE	**SCOPE**
2014-09-23T00:00:00	Other