2-butoxyethanol@EGMBE

IDENTIFICATION NUMBERS

- **CAS:** 111-76-2
- **EC/EINECS:** 203-905-0
- **International Chemical Safety Card (ICSC):** 0059

MORE INFORMATION

- **Molecular Formula:** C6H14O2
- **Synonyms:** eter monobutilico del etilenglicol, butilglicol, n-butoxietanol, etilenglicol monobutil eter, Butil glicol

USES

degreaser, disinfectant, solvent, cleaner, fungicide, rinsing agent, microbiocidal, adjuvant

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS06

Acute toxicity (oral, dermal, inhalation)

Signal word: **Warning**

H Phrases

H331 : Toxic if inhaled

Acute Tox. (Cat. 3) : Acute toxicity

H302 : Harmful if swallowed

Acute Tox. (Cat. 4) : Acute toxicity

H315 : Causes skin irritation

Skin Irrit. (Cat. 2) : Skin corrosion/irritation

H319 : Causes serious eye irritation

Eye Irrit. (Cat. 2) : Serious eye damage/eye irritation

Labelling

Concentration	Labelling
Inhalation:	ATE=3 mg/L (vapours)
Oral:	ATE=1200 mg/kg bw'

Specific health risks

According to IARC

Substances classified as carcinogens or mutagens Category 2 under the CLP Regulation (GHS), bearing H351 and/or H341 phrases. These are substances suspected of causing cancer or heritable genetic mutations in humans.

IARC GROUP	IARC VOLUME
Grupo 3	(VOL. 88; 2006)

Carcinogens (other sources)

Substances classified as carcinogens or mutagens Category 3 under the Dangerous Preparations Directive criteria (pre-CLP). Substances with limited evidence or indications of carcinogenicity or mutagenicity.

CATEGORY	SOURCE
G-A3	ACGIH

Endocrine disruptors

Substances with endocrine disrupting activity

DISRUPTOR LEVEL
NS

Neurotoxic substances

Substances with neurotoxic effects

NEUROTOXIC EFFECT	LEVEL
SNC	1

SOURCE
14, 24

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
[object Object],[object Object],[object Object],[object Object],[object Object],[object Object]

Biological Exposure Indices (BEI)

Biological limit values (VLB) published by the Spanish National Institute of Safety and Health at Work (INSST). Reference values for assessing the risk of chemical agents by measuring them or their metabolites in biological matrices (blood, urine, exhaled air) of exposed workers.

BIOLOGICAL EXPOSURE INDICES
IB:Ácido butoxiacético en Orin200 mg/g creatinina

Specific environmental risks

Volatile organic compounds

Volatile Organic Compounds (VOCs) regulated by Directive 1999/13/EC on the limitation of VOC emissions from certain activities, and by Royal Decrees 117/2003 and 227/2006. Substances contributing to tropospheric ozone formation that are subject to emission limits in industrial activities.

Environmental regulations

LPCIC (EPER)

Priority substances and specific pollutants within the EU water policy framework, established by the Water Framework Directive (2000/60/EC) and the Priority Substances Directive (2008/105/EC and amendments). Substances posing significant risk to European surface waters and subject to Environmental Quality Standards (EQS).

EPER WATER	EPER AIR
false	true

EPER SOIL

false

EPER Air

Substances from List 2 of Annex III of the IPPC Directive (integrated into the Industrial Emissions Directive 2010/75/EU). Pollutants that may affect surface and groundwater bodies and must be considered in the integrated environmental authorisation of industrial installations.

Restriction/prohibition regulations

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.).