clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine

Name (English): clothianidin (ISO); 3-[(2-chloro-1,3-thiazol-5-yl)methyl]-2-methyl-1-nitroguanidine

IDENTIFICATION NUMBERS

- **CAS:** 210880-92-5
- **EC/EINECS:** 433-460-1

MORE INFORMATION

- **Synonyms:** 3-[(2-cloro-1,3-tiazol-5-il)metil]-2-metil-1-nitroguanidina

⚠ **Black list — Substances particularly hazardous to the environment or health**

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS07

Acute toxicity (oral, dermal, inhalation



GHS08

Respiratory sensitisation



GHS09

Hazardous to the aquatic environment

Signal word: **Warning**

H Phrases

H361f : Suspected of damaging fertility.

Repr. (Cat. 2) : Reproductive toxicity

H302 : Harmful if swallowed

Acute Tox. (Cat. 4) : Acute toxicity

H370 : Causes damage to organs

STOT SE (Cat. 1) : Specific target organ toxicity - single exposure

H400 : Very toxic to aquatic life

Aquatic Acute (Cat. 1) : Hazardous to the aquatic environment

H410 : Very toxic to aquatic life with long lasting effects

Aquatic Chronic (Cat. 1) : Hazardous to the aquatic environment

Labelling

Concentration	Labelling
C ≥ 2,5 %	N; R50-53
0,25 % ≤ C < 2,5 %	N; R51-53
0,025 % ≤ C < 0,25 %	R52-53
oral	ATE= 390 mg/kg bw
	M=10
	M= 00'

Specific health risks

Reproductive toxicants

Substances classified as toxic for reproduction under Regulation 1272/2008

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.).

Authorized Biocides

Active substances approved for use in biocidal products under Regulation (EU) No 528/2012. The approval specifies the product types in which they may be used (disinfectants, preservatives, non-agricultural pesticides, etc.) and the permitted conditions of use.

SOURCE	MINIMUM PURITY
Real Decreto 1054/2002	950 g/Kg

Authorized Pesticide

Active substances approved for use in plant protection products (agricultural pesticides) in the European Union under Regulation (EC) No 1107/2009. Includes herbicides, fungicides, insecticides, acaricides and other crop protection agents with current European-level approval.

SOURCE
Real Decreto 2163/1994