iodine

IDENTIFICATION NUMBERS

- **CAS:** 7553-56-2
- **EC/EINECS:** 231-442-4
- **International Chemical Safety Card (ICSC):** 0167

MORE INFORMATION

- **Molecular Formula:** I2
- **Synonyms:** yodo, radioactivo, yodo

USES

pesticide

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

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS07

Acute toxicity (oral, dermal, inhalation



GHS09

Hazardous to the aquatic environment

Signal word: Warning

H Phrases

H332 : Harmful if inhaled

H312 : Harmful in contact with skin

H400 : Very toxic to aquatic life

Specific health risks

Endocrine disruptors

Substances with endocrine disrupting activity

DISRUPTOR LEVEL

NS, UE2

Ototoxic substances

Substances with ototoxic effects

NEUROTOXIC EFFECT	SOURCE
Neurotoxicidad indirecta por disfunción tiroidea. Exposición laboral por inhalación.	INSST: https://www.insst.es/documents/94886/431980/DLEP+130+Yodo+y+yoduros+2020.pdf

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

VLA-ED 0,01 (FIV) ppm / 0,1 (FIV) mg/m3 VLA-EC 0,1 ppm / 1 mg/m3 Notas FIV, s

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.

Banned biocides

Active substances whose approval for biocidal use has been denied or not renewed under Regulation (EU) No 528/2012 on biocidal products. They may not be placed on the market or used as active substances in biocidal products in the European Union.

SOURCE	EXEMPTIONS
Reglamento (CE) 1048/2005	2006/09/01

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.).