tri-o-tolyl phosphate

IDENTIFICATION NUMBERS

- **CAS:** 78-30-8
- **EC/EINECS:** 201-103-5
- **International Chemical Safety Card (ICSC):** 0961

MORE INFORMATION

- **Molecular Formula:** C21H21O4P
- **Synonyms:** FOSFATOS DE TRICRESILO, O-O-O, O-O-M, O-O-P, O-M-M, O-M-P, O-P-P, FOSFATO DE TRIORTOCRESILO, FOSFATOS DE TRITOLILO

USES

plasticizer

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

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS08

Respiratory sensitisation



GHS09

Hazardous to the aquatic environment

Signal word: **Danger**

H Phrases

H411 : Toxic to aquatic life with long lasting effects

Aquatic Chronic (Cat. 2) : Hazardous to the aquatic environment

H370 : Causes damage to organs

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

Nota C.

Notes

- R.1272-Note C

Labelling

Concentration	Labelling
C >= 1 %	T; R39/23/24/25
0,2 % <= C < 1 %	Xn; R68/20/21/22
C >= 1 %	STOT única, 1; H370
0,2 % <= C < 1 %	STOT única, 2; H371

Specific health risks

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

State / Form	TWA (ppm)	TWA (mg/m³)	STEL (ppm)	STEL (mg/m³)	Notes
—	—	0.1	—	—	vía dérmica, VLBc

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.