trichlorosilane

IDENTIFICATION NUMBERS

- **CAS:** 10025-78-2
- **EC/EINECS:** 233-042-5
- **International Chemical Safety Card (ICSC):** 0591

MORE INFORMATION

- **Molecular Formula:** Cl3HSi

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS02

Flammable gases



GHS05

Corrosive to metals



GHS06

Acute toxicity (oral, dermal, inhalation)

Signal word: **Danger**

H Phrases

H260 : In contact with water releases flammable gases which may ignite spontaneously

React.-agua, 1

H331 : Toxic if inhaled

Acute Tox. (Cat. 3) : Acute toxicity

H224 : Extremely flammable liquid and vapour

Flam. Liq. (Cat. 1) : Flammable liquid

H302 : Harmful if swallowed

Acute Tox. (Cat. 4) : Acute toxicity

EUH071

H314 : Causes severe skin burns and eye damage

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

H318 : Causes serious eye damage

Eye Dam. (Cat. 1) : Serious eye damage/eye irritation

EUH014

EUH029

Labelling

Concentration	Labelling
C >= 10 %	Xn; R20/22
C >= 10 %	C; R35
5 % <= C < 10 %	C; R34
1 % <= C < 5 %	Xi; R36/37/38
Inhalation:	ATE=7,6 mg/L (vapour)
Oral:	ATE=1000 mg/kg bw'

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.).