calcium hypochlorite

IDENTIFICATION NUMBERS

- **CAS:** 7778-54-3
- **EC/EINECS:** 231-908-7

MORE INFORMATION

- **Molecular Formula:** Ca.2ClHO

USES

algaecide, water treatment

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

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS03

Oxidising gases



GHS05

Corrosive to metals



GHS07

Acute toxicity (oral, dermal, inhalation



GHS09

Hazardous to the aquatic environment

Signal word: **Danger**

H Phrases

H272 : May intensify fire; oxidizer

Ox. Sol. (Cat. 2) : Oxidising solid

H302 : Harmful if swallowed

Acute Tox. (Cat. 4 *) : Acute toxicity

H314 : Causes severe skin burns and eye damage

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

H400 : Very toxic to aquatic life

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

EUH031

Notes

- R.1272-Note T

Labelling

Concentration	Labelling
C >= 10 %	C; R34
3 % <= C < 10 %	Xi; R37/38-41
0,5 % <= C < 3 %	Xi; R36
C >= 2,5 %	N; R50
C >= 5 %	Corr. cut., 1B; H314
1 % <= C < 5 %	Irrit. cut., 2; H315
3 % <= C < 5 %	Les. oc., 1; H318
0,5 % <= C < 3 %	Irrit. oc., 2; H319
	M = 10

Specific environmental risks

Hazardous water substances (Germany)

Substances classified with chronic aquatic toxicity under the CLP Regulation (H410–H413 phrases, Aquatic Chronic categories 1 to 4). They pose a long-term hazard to aquatic organisms, even at low concentrations and through prolonged exposure.

MMA CLASSIFICATION

2

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

1

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

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.