

# CLASSIFICATION AND LABELLING

## 1. Classification and labelling according to CLP / GHS

**Name:** zinc chloride

Implementation: EU

State/form of the substance: solid

Remarks: This file also covers hydrated forms of the substance and water solutions.

### Classification and labelling according to CLP / GHS for physicochemical properties

Not classified for physico-chemical properties

### Classification and labelling according to CLP / GHS for health hazards

Endpoint	Hazard category	Hazard statement
Acute toxicity - oral:	Acute Tox. 4	H302: Harmful if swallowed.
Skin corrosion / irritation:	Skin Corr. 1B	H314: Causes severe skin burns and eye damage.

Specific concentration limits:

Concentration (%)	Classification
>= 5.0	STOT SE3 / H335

**Table 1. Classification and labelling according to CLP / GHS for environmental hazards**

Endpoint	Hazard category	Hazard statement
Hazards to the aquatic environment (acute/short-term):	Aquatic Acute 1	H400: Very toxic to aquatic life.
Hazards to the aquatic environment (long-term):	Aquatic Chronic 1	H410: Very toxic to aquatic life with long lasting effects.
M-Factor acute: 1		
M-Factor chronic: 1		

### Labelling

Signal word: Danger

Hazard pictogram:

GHS05: corrosion



GHS07: exclamation mark



GHS09: environment



Hazard statements:

H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P273: Avoid release to the environment.  
P405: Store locked up.  
P391: Collect spillage.  
P501: Dispose of contents/container to... (certified companies according local legislation.)

## 2. Classification and labelling according to DSD / DPD

### 2.1. Classification and labelling in Annex I of Directive 67/548/EEC

#### Classification and labelling in Annex I of Directive 67/548/EEC for physicochemical properties

Not classified for physico-chemical properties

#### Classification and labelling in Annex I of Directive 67/548/EEC for health hazards

Endpoint	Classification
Acute toxicity:	Xn; R22 Harmful if swallowed.
Irritation / Corrosion:	C; R34 Causes burns.

#### Classification and labelling in Annex I of Directive 67/548/EEC for the environment

Endpoint	Classification
Environment:	N; R50/53 Dangerous for the environment; Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Labelling

Indication of danger:

C - corrosive  
N - dangerous for the environment

R-phrases:

R22 - Harmful if swallowed  
R34 - Causes burns  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases:

S1/2 - keep locked up and out of reach of children  
S26 - in case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S36/37/39 - wear suitable protective clothing, gloves and eye/face protection

S45 - in case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S60 - this material and its container must be disposed of as hazardous waste

S61 - avoid release to the environment. refer to special instructions/safety data sheets

Specific concentration limits:

Concentration (%)	Classification
$\geq 25.0$	C; R34 Causes burns. Xn; R22 Harmful if swallowed. N; R50/53 Dangerous for the environment; Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
$\geq 10.0$ — $< 25.0$	C; R34 Causes burns. N; R51/53 Dangerous for the environment; Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
$\geq 5.0$ — $< 10.0$	Xi; R36/37/38 Irritating to eyes, respiratory system and skin. N; R51/53 Dangerous for the environment; Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
$\geq 2.5$ — $< 5.0$	N; R51/53 Dangerous for the environment; Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
$\geq 0.25$ — $< 2.5$	R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.