

# CLASSIFICATION AND LABELLING

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

**Name: cadmium hydroxide**

Implementation: EU

State/form of the substance: powder

### Classification

The substance is classified as follows:

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

Cadmium hydroxide is not classified for physic-chemical properties

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

Endpoint	Hazard category	Hazard statement
Acute toxicity - inhalation:	Acute Tox. 2	H330: Fatal if inhaled.
Reproductive Toxicity:	Repr. 2	H361: Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
Germ cell mutagenicity:	Muta. 2	H341: Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
Carcinogenicity:	Carc. 1B	H350: May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
Specific target organ toxicity - repeated:	STOT Rep. Exp. 1  Affected organs: kidney, lung, bone  Route of exposure: Inhalation	H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

#### 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: 10		
M-Factor chronic: 10		

## Labelling

Signal word: Danger

### Hazard pictogram:

GHS06: skull and crossbones



GHS08: health hazard



GHS09: environment



### Hazard statements:

H350: May cause cancer.

H341: Suspected of causing genetic defects.

H361: Suspected of damaging fertility or the unborn child. (H361fd is exact statement)

H330: Fatal if inhaled.

H372: Causes damage to bone, lung, kidney through prolonged or repeated exposure by inhalation.

H410: Very toxic to aquatic life with long lasting effects.

### Precautionary statements:

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

P391: Collect spillage.

P281: Use personal protective equipment as required.

P405: Store locked up.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P501: Dispose of contents/container to... (According to local/national waste legislation)

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

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

#### Chemical name: cadmium hydroxide

#### Classification

The substance is classified as group classification for Cd compounds:

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

Cadmium hydroxide is not classified for physic-chemical properties

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

Endpoint	Classification
Acute toxicity:	Xn; R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

### 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:

N - dangerous for the environment

Xn - harmful

#### R-phrases:

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

#### S-phrases:

S2 - keep out of the reach of children

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
$\geq 25.0$	Xn; R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. N; R50/53 Dangerous for the environment; Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
$\geq 2.5$ — $< 25.0$	Xn; R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. N; R51/53 Dangerous for the environment; Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
$\geq 0.25$ — $< 2.5$	Xn; R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
$\geq 0.1$ — $< 0.25$	Xn; R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

#### Notes:

Note A