

CLASSIFICATION AND LABELLING

1. Classification and labelling according to CLP / GHS

Name: cadmium nitrate

Implementation: EU

State/form of the substance: solid

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. 3	H301: Toxic if swallowed.
Acute toxicity - inhalation:	Acute Tox. 2	H330: Fatal if inhaled.
Reproductive Toxicity:	Repr. 1B	H360: May damage 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. 1B	H340: May cause 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>.

Specific concentration limits:

Concentration (%)	Classification
>= 7.0	STOT Rep. Exp. 1
>= 0.1 — < 7.0	STOT Rep. Exp. 2
>= 0.01	Carc. 1B

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

H340: May cause genetic defects

H360: May damage fertility or the unborn child (H361FD is exact statement (translation of R60-61))

H330: Fatal if inhaled.

H301: Toxic if swallowed.

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

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

Precautionary statements:

P273: Avoid release to the environment.

P391: Collect spillage.

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

P281: Use personal protective equipment as required.

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

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

P405: Store locked up.

2. Classification and labelling according to DSD / DPD

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

Chemical name: cadmium nitrate

Classification

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

Table 1. 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
≥ 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.
≥ 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.
≥ 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.
≥ 0.1 — < 0.25	Xn; R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

Notes: Note A