CLASSIFICATION AND LABELLING of Cadmium Carbonate

1. Classification and labelling according to CLP / GHS

Name: cadmium carbonate

Implementation: EU

Classification

The substance is classified as follows:

- Not classified for physical-chemical properties:
  - for health hazards:

Acute toxicity - inhalation:	Acute Tox. 2 (Hazard statement: H330: Fatal if inhaled.)
Reproductive Toxicity:	Repr. 2 (Hazard statement: 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 (Hazard statement: 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 (Hazard statement: 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 (Hazard statement: H372: Causes damage to kidney, lung, bone through prolonged or repeated exposure by inhalation

  - for environmental hazards:

Hazards to the aquatic environment (acute/short- term):	Aquatic Acute 1 (Hazard statement: H400: Very toxic to aquatic life.)
M-Factor acute:	10
Hazards to the aquatic environment (long- term):	Aquatic Chronic 1 (Hazard statement: H410: Very toxic to aquatic life with long lasting effects.)
M-Factor chronic:	10
Hazardous to the atmospheric environment:	Reason for no classification: data lacking

Labelling

Signal word: Danger

Hazard pictogram:

GHS06: skull and crossbones

GHS08: health hazard

GHS09: environment

Hazard statements:

H350: May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H341: Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
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>.
H330: Fatal if inhaled.
H372: Causes damage to kidney, lung, bone 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 legislation)

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2. Classification and labelling according to DSD / DPD

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

Chemical name: cadmium carbonate

Classification

The substance is classified as follows:

- for health effects:

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

- for the 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; 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; 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; Harmful by inhalation, in contact with skin and if swallowed. R52/53 Dangerous for the environment; Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
>= 0.1 — < 0.25	Xn; R20/21/22 Harmful; Harmful by inhalation, in contact with skin and if swallowed.

Notes:

Note A