

CLASSIFICATION AND LABELLING

1. Classification and labelling according to CLP / GHS

Name: Complex zinc rich flue dust

Implementation: EU

State/form of the substance: solid

Related composition: Complex zinc rich flue dust

Remarks: The classification mentioned here is based on the composition of a worst case sample. However, the concentration of several composing elements/substances of this intermediate can vary. As a result of this variation, the classification of the intermediate should also be modified accordingly.

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	Driver for classification
Skin corrosion / irritation:	Skin Irrit. 2	H315: Causes skin irritation.	CaO
Serious damage / eye irritation:	Eye Damage 1	H318: Causes serious eye damage.	CaO ó As ₂ O ₃ , As ₂ O ₃
Reproductive Toxicity:	Repr. 1A Specific effect: H360Df - may damage the unborn child, suspected of damaging fertility Route of exposure: Oral	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>.	Lead Compounds
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>.	CdO
Carcinogenicity:	Carc. 1A	H350: May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.	NiO ₂
Specific target organ toxicity - repeated:	STOT Rep. Exp. 1 Affected organs: CNS , kidneys and haematological (blood) 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>.	Lead compounds

Classification and labelling according to CLP / GHS for environmental hazards

Endpoint	Hazard category	Hazard statement	Driver for classification
Hazards to the aquatic environment (long-term):	Aquatic Chronic 3	H412: Harmful to aquatic life with long lasting effects.	Testing results

Labelling

Signal word: Danger

Hazard pictogram:

GHS07: exclamation mark



GHS05: corrosion



GHS08: health hazard



Hazard statements:

H315: Causes skin irritation.

H318: Causes serious eye damage.

H350: May cause cancer.

H341: Suspected of causing genetic defects.

H360: May damage fertility or the unborn child.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statements:

P281: Use personal protective equipment as required.

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

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

P273: Avoid release to the environment.

Name: zinc rich flue dust

Implementation: EU

State/form of the substance: powder

Related composition: Zinc rich flue dust

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	Reason for no classification
Serious damage / eye irritation:	Eye Irrit. 2	H319: Causes serious eye irritation.	CaO
Reproductive Toxicity:	Repr. 1A Specific effect: H360Df - may damage the unborn, suspected of damaging fertility Route of exposure: Oral	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>.	Lead compounds
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>.	CdO
Specific target organ toxicity - repeated:	STOT Rep. Exp. 1 Affected organs: Central Nervous system and reproductive system Route of exposure: Oral	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>.	Lead compounds

Classification and labelling according to CLP / GHS for environmental hazards

Endpoint	Hazard category	Hazard statement	Reason for no classification
Hazards to the aquatic environment (long-term):	Aquatic Chronic 3	H412: Harmful to aquatic life with long lasting effects.	Testing results

Labelling

Signal word: Danger

Hazard pictogram:



GHS08: health hazard



Hazard statements:

H319: Causes serious eye irritation.
H351: Suspected of causing cancer.
H360: May damage fertility or the unborn child.
H372: Causes damage to organs.
H412: Harmful to aquatic life with long lasting effects.

Precautionary statements:

P281: Use personal protective equipment as required.
P270: Do not eat, drink or smoke when using this product.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P273: Avoid release to the environment.

2. Classification and labelling according to DSD / DPD

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

Self-classification(s)

Chemical name: Complex zinc rich flue dust

Related composition: Complex zinc rich flue dust

Self-classification according to Directive 67/548/EEC criteria

Endpoints	Classification	Driver for classification
Repeated dose toxicity	Xn; R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.	CdO
Irritation / Corrosion	Xi; R41 Risk of serious damage to eyes.	several
Carcinogenicity	Carc. Cat. 1; R49 May cause cancer by inhalation.	NiO2
Mutagenicity - Genetic Toxicity	Muta. Cat. 3; R68 Possible risk of irreversible effects.	CdO
Toxicity to reproduction- fertility	Repr. Cat. 1; R60 May impair fertility.	Lead compounds
Toxicity to reproduction- development	Repr. Cat. 1; R61 May cause harm to the unborn child.	Lead compounds
Environment	R52/53 Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.	Testing results

Labelling

Indication of danger:

T - toxic
Xn - harmful
Xi - irritant

R-phrases:

R49 - May cause cancer by inhalation
R68 - Possible risk of irreversible effects
R61 - May cause harm to the unborn child
R60 - May impair fertility
R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases:

S36 - wear suitable protective clothing

S20/21 - when using do not eat, drink or smoke

S13 - keep away from food, drink and animal feeding-stuffs

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

S53 - avoid exposure - obtain special instructions before use

S57 - use appropriate container to avoid environmental contamination

Chemical name: Zinc rich flue dust

Related composition: Zinc rich flue dust

Self-classification according to Directive 67/548/EEC criteria

Endpoints	Classification	Driver for classification
Repeated dose toxicity	Xn; R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.	Lead compounds
Carcinogenicity	Carc. Cat. 2; R45 May cause cancer.	CdO
Toxicity to reproduction- fertility	Repr. Cat. 1; R60 May impair fertility.	Lead compounds
Toxicity to reproduction- development	Repr. Cat. 1; R61 May cause harm to the unborn child.	Lead compounds
Environment	R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	Testing results

Labelling

Indication of danger:

T - toxic

R-phrases:

R45 6 May cause cancer

R60 - May impair fertility

R61 - May cause harm to the unborn child

Xn; R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases:

S35 - this material and its container must be disposed of in a safe way

S36 - wear suitable protective clothing

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