# 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 physicochemical properties

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

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Hazard category</th>
<th>Hazard statement</th>
<th>Driver for classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion / irritation:</td>
<td>Skin Irrit. 2</td>
<td>H315: Causes skin irritation.</td>
<td>CaO</td>
</tr>
<tr>
<td>Serious damage / eye irritation:</td>
<td>Eye Damage 1</td>
<td>H318: Causes serious eye damage.</td>
<td>CaO + As2O3, AsO3</td>
</tr>
<tr>
<td>Reproductive Toxicty:</td>
<td>Repr. 1A</td>
<td>H360: May damage fertility or the unborn child if known &gt; state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;.</td>
<td>Lead Compounds</td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td>Muta. 2</td>
<td>H341: Suspected of causing genetic defects if known &gt; state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;.</td>
<td>CdO</td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td>Carc. 1A</td>
<td>H350: May cause cancer if known &gt; state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;.</td>
<td>NiO2</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated:</td>
<td>STOT Rep. Exp. 1</td>
<td>H372: Causes damage to organs if known &gt; state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;.</td>
<td>Lead compounds</td>
</tr>
<tr>
<td></td>
<td>Affected organs: CNS, kidneys and haematological (blood)</td>
<td>Route of exposure: Inhalation</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>
Classification and labelling according to CLP / GHS for environmental hazards

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<tr>
<td>Hazards to the aquatic environment (long-term):</td>
<td>Aquatic Chronic 3</td>
<td>H412: Harmful to aquatic life with long lasting effects.</td>
<td>Testing results</td>
</tr>
</tbody>
</table>

**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

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<tr>
<td>Serious damage / eye irritation:</td>
<td>Eye Irr. 2</td>
<td>H319: Causes serious eye irritation.</td>
<td>CaO</td>
</tr>
<tr>
<td>Reproductive Toxicity:</td>
<td>Repr. 1A</td>
<td>H360: May damage fertility or the unborn child &lt;state specific effect if known &gt; &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;.</td>
<td>Lead compounds</td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td>Carc. 1B</td>
<td>H350: May cause cancer &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;.</td>
<td>CdO</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated:</td>
<td>STOT Rep. Exp. 1</td>
<td>H372: Causes damage to organs &lt;or state all organs affected, if known&gt; through prolonged or repeated exposure &lt;state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard&gt;.</td>
<td>Lead compounds</td>
</tr>
</tbody>
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### Classification and labelling according to CLP / GHS for environmental hazards

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### Labelling

Signal word: Danger

Hazard pictogram:

![Hazard pictogram](image)

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**

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

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**Labelling**

**Indication of danger:**

T - toxic

**R-phrases:**

R45 ľ 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)