

**11. TOXICOLOGICAL INFORMATION**

There is no data available on the product itself. The information of the internal cell materials is as follows.

**Nickel, Nickel Compounds**

- Acute toxicity:
  - oral GHS: out of Category.
  - skin Unknown.
  - inhalation (gas) GHS: exempt from a classification.
  - inhalation (steam) Unknown.
  - inhalation (mist) Unknown.
- Skin corrosivity : Unknown.
- Serious damage and irritant property for eyes: Unknown.
- Respiratory or skin sensitization:
  - Respiratory sensitization: GHS: Category 1  
The allergy, asthma or breathing difficulties might be caused when inhaling.
  - Skin sensitization: GHS: Category 1  
The allergic skin reaction might be caused.
- Germline mutagenicity:
  - GHS: It is not possible to classify it due to data deficiency.
- Carcinogenicity :
  - GHS: Category 2
  - ACGIH: (Metal) A5 – Not suspected as a human carcinogen
  - ACGIH: (water-soluble compounds) A4 – Not classified as a human carcinogen obviously
  - ACGIH: (Insoluble compounds) A1 – Confirmed human carcinogen
  - NIOSH: Potential occupational carcinogen
  - NTP: Reasonably anticipated to be human carcinogen
  - IARC: (Metal) Group 2B Possibly carcinogenic to human
  - IARC: (Compounds) Group 1 carcinogenic to human
- Reproduction Toxicity :
  - GHS: It is not possible to classify it due to data deficiency.
- Certain target organ/ Systemic toxicity (single exposure):
  - GHS: Category 1(respiratory organ and kidney).
  - The disorder of the respiratory organ and the kidney is caused.
- Certain target organ/ Systemic toxicity (repeated exposure):
  - GHS: Category 1(respiratory organ).
  - The disorder of the respiratory organ is caused by long-term or repeated exposure.

**Cobalt Compounds**

- Acute toxicity:
  - oral GHS: out of Category.
  - skin Unknown.
  - inhalation (gas) GHS: exempt from a classification.
  - inhalation (steam) Unknown.
  - inhalation (mist) GHS: It is not possible to classify it due to data deficiency.
- Skin corrosivity : Unknown.
- Serious damage and irritant property for eyes: Unknown.
- Respiratory or skin sensitization:
  - Respiratory sensitization: GHS: Category 1  
The allergy, asthma or breathing difficulties might be caused when inhaling.
  - Skin sensitization: GHS: Category 1  
The allergic skin reaction might be caused.
- Germline mutagenicity: Unknown.
- Carcinogenicity :
  - GHS: Category 2
  - ACGIH: A3 –Confirmed animal carcinogen but relevance to human carcinogen is unknown.
  - IARC: Group 2B Possibly carcinogenic to human.
  - The cancer might be caused.