

Nickel Consortia Classification of Nickel and Nickel Compounds for Pure Substances Without Impurities

Substance	Ni metal	Ni oxide	Ni subsulphide	Ni sulphide	Ni dihydroxide	Ni hydroxycarbonate	Ni sulphate	Ni acetate	Ni sulphamate	Ni chloride	Ni nitrate	Ni matte	Ni BP
Physical-chemical properties	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	Oxid. Solid 2 ¹	NC	NC
Acute toxicity-oral	NC	NC	NC	NC	Cat. 4 ¹	Cat. 3 ¹	Cat. 4 ¹	NC	Cat. 4 ²				
Acute toxicity-dermal	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Acute toxicity-inhalation	NC	NC	Cat. 3 ¹	Cat. 3 ²	Cat. 4 ¹	Cat. 2 ²	Cat. 4 ¹	Cat. 4 ¹	Cat. 4 ²	Cat. 3 ¹	Cat. 4 ¹	NC	Cat. 4 ²
Skin corrosion/Skin irritation	NC	NC	NC	NC	Cat. 2 ¹	Cat. 2 ¹	Cat. 2 ¹	NC	NC	Cat. 2 ¹	Cat. 2 ¹	NC	Cat. 1B ^{2,5}
Serious eye damage/Eye irritation	NC	NC	NC	NC	NC	Cat. 2 ²	NC	NC	NC	NC	Cat. 1 ¹	NC	Cat. 1 ^{2,5}
Skin Sensitization	Cat. 1 ¹	Cat. 1 ¹	Cat. 1 ¹	Cat. 1 ¹	Cat. 1 ¹	Cat. 1 ¹	Cat. 1 ¹	Cat. 1 ¹	Cat. 1	Cat. 1 ¹	Cat. 1 ¹	Cat. 1 ¹	Cat. 1 ¹
Respiratory Sensitization	NC	NC	NC	NC	Cat. 1 ¹	Cat. 1 ¹	Cat. 1 ¹	Cat. 1 ¹	Cat. 1	Cat. 1 ¹	Cat. 1 ¹	NC	Cat. 1 ¹
Aspiration hazard	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
STOT– single	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
STOT– repeated	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}	Cat. 1 ^{1,3}
Germ Cell Mutagenicity	NC	NC	Cat. 2 ¹	NC	Cat. 2 ²								
Carcinogenicity	Cat. 2 ^{1,3}	Cat. 1A ^{1,3}	Cat. 1A ^{1,3}	Cat. 1A ^{1,3}									
Reproductive Toxicity: • Developmental • Effects on or via lactation	NC	NC	NC	NC	Cat. 1B ¹	NC	Cat. 1B ²						
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

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Hazards to the aquatic environment (short-term)	NC	NC	Acute 1 ¹										
Hazards to the aquatic environment (long-term)	Powder ⁴ : Chronic 3 ¹ Massive ⁴ : NC ¹	Chronic 4 ¹	Chronic 1 ¹										
Hazardous to the ozone layer	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

1 = CLP Harmonized classification according to REGULATION (EC) 1272/2008 amended by COMMISSION REGULATION (EC) No 2020/217

2 = Self-classification

3 = By inhalation route of exposure only

4 = Powder is <1 mm and massive is ≥1 mm equivalent spherical diameter

5 = Self-classification specifically due to phosphoric acid component

NC = Not classified

STOT = Specific target organ toxicity

Ni BP = Ni bis(dihydrogen phosphate)

Orange = CLP harmonized classification or self-classification