Nickel Consortia

# INFORMATION

## SUBSTANCE IDENTITY PROFILE (SIP)

## NICKEL SULPHATE

| | | | |
|---|---|---|---|
| **EC #** | 232-104-9 | | |
| **CAS #** | 7786-81-4 (primary); 10101-97-0 | | |
| **Other identifiers** | Nickel sulfate<br>Nickel (2+) sulfate<br>Nickel (2+) sulphate<br>Sulfuric acid, nickel (2++) salt (1:1)<br>Sulfuric acid, nickel (2+) salt (1:1) | Nickelous sulphate<br>Nickelous sulfate<br>Nickel (II) sulphate<br>Nickel (II) sulfate<br>Nickel sulfate (1:1)<br>Nickel sulphate (1:1) | Nickel monosulphate<br>Nickel monosulfate<br>Nickel sulphate hexahydrate<br>Nickel sulfate hexahydrate |

**Substance compositional information:**

| ***Constituents/Impurities*** | ***Compositions*** | | | |
|---|---|---|---|---|
| | **Nickel Sulphate (anhydrous form)*** ** | **Nickel Sulphate (hydrates)** | **Nickel Sulphate (anhydrous form with arsenic impurities)** | **Nickel Sulphate (hydrates with arsenic impurities)** |
| Nickel sulphate**<br>EC# 232-104-9<br>CAS# 7786-81-4 | ≥90 – ≤100% | >77 – ≤100% | >77 – <100% | ≥75 – <100% |
| Copper sulphate<br>EC# 231-847-6<br>CAS# 7758-98-7 | - | >0.0001 – <5% | ≥0 – <10% | ≥0 – <10% |
| Zinc sulphate<br>EC# 231-793-3<br>CAS# 7733-02-0 | - | >0.0001 – <3% | ≥0 – <3% | ≥0 – <3% |
| Arsenic acid<br>EC# 231-901-9<br>CAS# 7778-39-4 | - | - | >0 – <2% | >0 – ≤3% |
| Calcium sulfate<br>EC# 231-900-3<br>CAS# 7778-18-9 | - | - | ≥0 – <9% | ≥0 – <8% |
| Ferric oxide<br>EC# 215-168-2<br>CAS# 1309-37-1 | - | - | ≥0 – <3% | ≥0 – <3% |
| Other impurities* | ≥0 – ≤10% | ≥0 – ≤23% | ≥0 – <2% | ≥0 – ≤25% |

*Other impurities which are not relevant for the classification and/or for PBT assessment and that are each of them present in a concentration <1%.

**In the hydrated compositions, the nickel sulphate concentration was calculated from results of continuous analyses and refers to NiSO4 (including crystalline water). Although there is a small deviation from the 80/20 rule for the mono-constituent substance, the typical concentration is above 80%. Nickel sulphate is available in various hydrate forms. The compositions reported here reflects the composition of the hydrated form of the material as placed on the market.

***This composition is neither manufactured nor imported but is only reported for technical reasons, as advised by ECHA. Analyses were performed on an anhydrous form generated from the marketed material using a drying process.