



>>Entry Name: Ammonium nickel sulfate

Synonym(s): Nickel ammonium sulfate

CAS Registry Number: 15699-18-0

Related CAS Registry Numbers(s): 42086-15-7

$\text{Ni}(\text{NH}_4)_2(\text{SO}_4)_2$

Molecular Formula: $\text{H}_8\text{N}_2\text{NiO}_8\text{S}_2$

Molecular Weight: 286.894

Accurate Mass: 285.907554

Percentage Composition: H 2.81%; N 9.76%; Ni 20.46%; O 44.61%; S 22.35%

>>Derivative: Hexahydrate

CAS Registry Number: 7785-20-8

Use/Importance: Used in electroplating metals

Physical Description: Sl. efflorescent bluish-green cryst. (H_2O)

References:

Brown, R.G. *et al.*, *Spectrochim. Acta A*, 1970, **26**, 945-953, (*hexahydrate, ir*)

Cotton, F.A. *et al.*, *Inorg. Chem.*, 1993, **32**, 4861-4867, (*hexahydrate, synth, cryst struct*)