



>>Entry Name: Indium nitride (InN)

CAS Registry Number: 25617-98-5

InN

Molecular Formula: InN

Molecular Weight: 128.827

Accurate Mass: 128.906954

Percentage Composition: In 89.13%; N 10.87%

Source/Synthesis: Obt. by pyrolysis of InCl_3NH_3 at 600°

Physical Description: Brown cryst. Stable in air and towards acids and alkalis

Other Data: Specific conductivity $> 100 \Omega^{-1} \text{ m}^{-1}$

References:

Renner, T. *et al.*, *Z. Anorg. Allg. Chem.*, 1959, **298**, 28, (*synth*)

Van Vechten, J.A. *et al.*, *Phys. Rev.*, 1969, **182**, 891, (*cryst struct*)

MacChesney, J.B. *et al.*, *Mater. Res. Bull.*, 1970, **5**, 783, (*dissoc press*)

O'Keefe, M. *et al.*, *Acta Cryst. B*, 1978, **34**, 3519, (*cryst struct*)