



>>Entry Name: Ammonium chloride ((NH₄)Cl), 11Cl, JAN, USAN

ENTRY UNDER REVIEW

Synonym(s): Sal ammoniac. Amchlor. Darammon. Ammonium muriate. Salmiac

CAS Registry Number: 12125-02-9

Related CAS Registry Numbers(s): 12015-14-4

[NH₄]Cl

Molecular Formula: ClH₄N

Molecular Weight: 53.491

Accurate Mass: 53.003226

Percentage Composition: Cl 66.28%; H 7.54%; N 26.19%

General Statement: Has CsCl struct. below 184.3° and NaCl above this temp.

Use/Importance: Commercially available. Used in dry electric cells and as a flux in soldering. Expectorant, acidifying diuretic

Physical Description: Hygroscopic white solid

Solubility: V. sol. H₂O

Other Data: V.p. 758 mm at 338°. Subl. when heated

Hazard & Toxicity: Irritant

Aldrich: 44309-3

Fluka: 9718

Sigma: A9434

References:

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 1521D, (ir)

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Kirk-Othmer Encycl. Chem. Technol., 3rd edn., Wiley, 1978, **2**, 520, (rev)

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