

Safety (MSDS) data for ammonium chloride



Click here for data on ammonium chloride in [student-friendly format](#), from the HSci project

General

Synonyms: amchlor, ammoneric, sal ammoniac, ammonium muriate, darammon, sal ammonia, salammonite, salmiac

Molecular formula: NH_4Cl

CAS No: 12125-02-9

EC No: 235-186-4

EC index no: 017-014-00-8

Physical data

Appearance: white crystalline powder

Melting point: ca. 340 C (sublimes)

Boiling point:

Vapour density: 1.9

Vapour pressure: 1 mm Hg at 160 C

Specific gravity: 1.527

Flash point:

Explosion limits:

Autoignition temperature:

Stability

Stable. Incompatible with strong acids, strong bases.

Toxicology

Harmful if swallowed. May be harmful by inhalation. Skin, eye and respiratory irritant. Typical TLV 10 mg m^{-3} Typical STEL 20 mg m^{-3}

Toxicity data

(The meaning of any abbreviations which appear in this section is given [here](#).)

ORL-INF LDLO 2000 mg kg^{-1}

ORL-RAT LD50 1650 mg kg^{-1}

IMS-RAT LD50 30 mg kg^{-1}

UNR-RAT LD50 550 mg kg^{-1}

Irritation data

(The meaning of any abbreviations which appear in this section is given [here](#).)

EYE-RBT 500 mg/24h mld

Risk phrases

(The meaning of any risk phrases which appear in this section is given [here](#).)

R22 R36 R37 R38.

Transport information

Non-hazardous for air, sea and road freight.

Personal protection

Safety glasses, adequate ventilation.

Safety phrases

(The meaning of any safety phrases which appear in this section is given [here](#).)

S22.

[Return to [Physical & Theoretical Chemistry Lab. Safety home page](#).]

This information was last updated on February 16, 2005. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use,

misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.
