

Identification

NH₃
M = 17,03 g/mol
CAS [1336-21-6]
EC number: 215-647-6
Taric code: 2814 20 00

Synonyms

Ammonia water

Specifications

assay (acidimetric, NH ₃).....	20 - 22 %	manganese (Mn).....	max. 10 ppt
aluminium (Al).....	max. 20 ppt	mercury (Hg).....	max. 200 ppb
antimony (Sb).....	max. 10 ppt	molybdenum (Mo).....	max. 10 ppt
arsenic (As).....	max. 10 ppt	neodymium (Nd).....	max. 10 ppt
barium (Ba).....	max. 10 ppt	nickel (Ni).....	max. 10 ppt
beryllium (Be).....	max. 10 ppt	niobium (Nb).....	max. 10 ppt
bismuth (Bi).....	max. 10 ppt	potassium (K).....	max. 10 ppt
cadmium (Cd).....	max. 10 ppt	praseodymium (Pr).....	max. 10 ppt
cerium (Ce).....	max. 10 ppt	rhodium (Rh).....	max. 10 ppt
cesium (Cs).....	max. 10 ppt	rubidium (Rb).....	max. 10 ppt
chromium (Cr).....	max. 10 ppt	samarium (Sm).....	max. 10 ppt
cobalt (Co).....	max. 10 ppt	scandium (Sc).....	max. 10 ppt
copper (Cu).....	max. 10 ppt	silver (Ag).....	max. 10 ppt
dysprosium (Dy).....	max. 10 ppt	sodium (Na).....	max. 20 ppt
erbium (Er).....	max. 10 ppt	strontium (Sr).....	max. 10 ppt
europium (Eu).....	max. 10 ppt	tellurium (Te).....	max. 10 ppt
gadolinium (Gd).....	max. 10 ppt	terbium (Tb).....	max. 10 ppt
gallium (Ga).....	max. 10 ppt	thallium (Tl).....	max. 10 ppt
germanium (Ge).....	max. 10 ppt	thorium (Th).....	max. 10 ppt
gold (Au).....	max. 10 ppt	thulium (Tm).....	max. 10 ppt
holmium (Ho).....	max. 10 ppt	tin (Sn).....	max. 10 ppt
indium (In).....	max. 10 ppt	titanium (Ti).....	max. 10 ppt
iron (Fe).....	max. 10 ppt	tungsten (W).....	max. 10 ppt
lanthanum (La).....	max. 10 ppt	uranium (U).....	max. 10 ppt
lead (Pb).....	max. 10 ppt	vanadium (V).....	max. 10 ppt
lithium (Li).....	max. 10 ppt	ytterbium (Yb).....	max. 10 ppt
lutetium (Lu).....	max. 10 ppt	yttrium (Y).....	max. 10 ppt
magnesium (Mg).....	max. 10 ppt	zinc (Zn).....	max. 10 ppt
		zirconium (Zr).....	max. 10 ppt

Physical data

- Density: ~ 0,93 g/cm³
- Solub. in water: (20 °C): miscible
- pH(20 °C) > 12

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.
H400: Very toxic to aquatic life.


Precautionary Statements:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.



AM0272

Technical Data Sheet

Ammonia, solution 20 - 22%, Ultratrace[®], ppt-trace analysis grade

Transport/storage

- ADR: 8 C5 III • UN 2672 • AMMONIA SOLUTION
- IMDG: 8 III • UN 2672 • AMMONIA SOLUTION
- IATA/ICAO: 8 III • UN 2672 • AMMONIA SOLUTION
- PAX: 819
- CAO: 813
- 10°C - 30°C