

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 %	lutetium (Lu).....	max. 0,1 ppb
colour (Hazen).....	max. 10	magnesium (Mg).....	max. 1 ppb
chlorides (Cl).....	max. 0.00005 %	manganese (Mn).....	max. 0,5 ppb
phosphates (as PO ₄).....	max. 0,000001 %	mercury (Hg).....	max. 0,2 ppb
sulfates (SO ₄).....	max. 0.0001 %	molybdenum (Mo).....	max. 0,5 ppb
aluminium (Al).....	max. 1 ppb	neodymium (Nd).....	max. 0,1 ppb
antimony (Sb).....	max. 0,5 ppb	nickel (Ni).....	max. 0,5 ppb
arsenic (As).....	max. 1 ppb	niobium (Nb).....	max. 0,1 ppb
barium (Ba).....	max. 0,1 ppb	potassium (K).....	max. 1 ppb
beryllium (Be).....	max. 0,1 ppb	praseodymium (Pr).....	max. 0,1 ppb
bismuth (Bi).....	max. 0,1 ppb	rhodium (Rh).....	max. 0,5 ppb
cadmium (Cd).....	max. 0,5 ppb	rubidium (Rb).....	max. 0,1 ppb
calcium (Ca).....	max. 1 ppb	samarium (Sm).....	max. 0,1 ppb
cerium (Ce).....	max. 0,1 ppb	scandium (Sc).....	max. 0,1 ppb
cesium (Cs).....	max. 0,1 ppb	selenium (Se).....	max. 1 ppb
chromium (Cr).....	max. 0,5 ppb	silver (Ag).....	max. 0,5 ppb
cobalt (Co).....	max. 0,5 ppb	sodium (Na).....	max. 1 ppb
copper (Cu).....	max. 0,5 ppb	strontium (Sr).....	max. 0,1 ppb
dysprosium (Dy).....	max. 0,1 ppb	tellurium (Te).....	max. 0,1 ppb
erbium (Er).....	max. 0,1 ppb	terbium (Tb).....	max. 0,1 ppb
europium (Eu).....	max. 0,1 ppb	thallium (Tl).....	max. 0,1 ppb
gadolinium (Gd).....	max. 0,1 ppb	thorium (Th).....	max. 0,1 ppb
gallium (Ga).....	max. 0,1 ppb	thulium (Tm).....	max. 0,1 ppb
germanium (Ge).....	max. 0,1 ppb	tin (Sn).....	max. 0,5 ppb
gold (Au).....	max. 0,5 ppb	titanium (Ti).....	max. 0,5 ppb
holmium (Ho).....	max. 0,1 ppb	tungsten (W).....	max. 0,1 ppb
indium (In).....	max. 0,1 ppb	uranium (U).....	max. 0,1 ppb
iron (Fe).....	max. 1 ppb	vanadium (V).....	max. 0,5 ppb
lanthanum (La).....	max. 0,1 ppb	ytterbium (Yb).....	max. 0,1 ppb
lead (Pb).....	max. 0,1 ppb	yttrium (Y).....	max. 0,1 ppb
lithium (Li).....	max. 0,1 ppb	zinc (Zn).....	max. 0,5 ppb
		zirconium (Zr).....	max. 0,1 ppb

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.

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