


## AMMONIA

Item	Value
PRODUCT NAME	Ammonia
PRODUCT IMAGE	
CAS NUMBER	7664-41-7
WEIGHT	17.03
FORMULA	
PROPERTIES	<p>Melting point : <math>-77.7^{\circ}\text{C}</math> (lit.)  Boiling point : <math>-33.3^{\circ}\text{C}</math>  Density : <math>0.6818\text{ g/mL}</math> at <math>25^{\circ}\text{C}</math>  vapor density : 0.6 (vs air)  vapor pressure : <math>8.75\text{ atm}</math> (<math>21^{\circ}\text{C}</math>)  FEMA : 4494   AMMONIA (ALSO INCLUDES AMMONIUM CHLORIDE)  Flash point : <math>52^{\circ}\text{C}</math>  storage temp. : <math>0-6^{\circ}\text{C}</math>  solubility : Miscible with ethanol (95%) and water.  pka : 38 (at <math>25^{\circ}\text{C}</math>)  form : Liquid  color : Colorless  Odor : Intense pungent odor detectable at 17 ppm  explosive limit : 25%  Water Solubility : soluble  Sensitive : Hygroscopic  Merck : 14,492  BRN : 3587154  Stability : Stable. Hygroscopic. Flammable. Incompatible with acids, strong oxidizing agents. May react violently with acids, aldehydes, alkylene oxides, amides, boron, boron halides, calcium, chlorine azide, chloric acid, chlorine monoxide, chlorites, halogens, heavy metals and many other materials - check the complete data sheet before use!  CAS DataBase Reference : 7664-41-7 (CAS DataBase Reference)  NIST Chemistry Reference : Ammonia(7664-41-7)  EPA Substance Registry System : Ammonia(7664-41-7)</p>

Item	Value
SAFETY	Hazard Codes:F,N,T,Xn Risk Statements:11-20-36/37/38-67-39/23/24/25-23/24/25-10-50-34-23-36-66-40-36/37-19 Safety Statements:26-7-45-36/37/39-16-9-61-36/37 RIDADR:UN 1219 3/PG 2 WGK Germany:2 RTECS:BO0875000 Autoignition Temperature:690 ° C TSCA:Yes HazardClass:3 PackingGroup:II Hazardous Substances Data:7664-41-7(Hazardous Substances Data) Toxicity:LD50 oral (rat) 350 mg/kg LC50 inhal (rat) 2000 ppm (4 h) PEL (OSHA) 35 ppm (27 mg/m3) TLV-TWA (ACGIH) 25 ppm (17 mg/m3) STEL (ACGIH) 35 ppm (27 mg/m3)