



Product Specification

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AMMONIUM BROMIDE AR/ACS

PRODUCT CODE	456435	
SYNOMYS	—	
C.I. NO.	—	
CASR NO.	12124-97-9	
ATOMIC OR MOLECULAR FORMULA	NH ₄ Br	
ATOMIC OR MOLECULAR WEIGHT	97.94	NH ₃ • HBr
PROPERTIES	Somewhat hygroscopic, mp sublimes. Noncombustible	
PARAMETER	LIMIT	
Description	White/almost white or colourless crystalline powder.	
Solubility	5% Solution in water is almost clear.	
Identification	Passes test	
Minimum Assay (Argentometric; on dried substance)	99.5%	
pH(of 5% Soln.in water, at 25°C)	4.5 – 6.0	
MAXIMUM LIMIT OF IMPURITIES		
Loss on drying(at 105°C)	0.5%	
Residue on ignition (as sulphate)	0.01%	
Water insoluble matter	0.005%	
Acidity or alkalinity	Passes test	
Bromate (BrO ₃)	0.002%	
Chloride (Cl)	0.2%	
Sulphate (SO ₄)	0.005%	
Barium (Ba)	0.002%	
Iodide (I)	0.005%	
Iron (Fe)	0.0005%	
Lead (Pb)	0.0005%	
Substances reacting acid	Passes test	
Substances reducing iodine	0.25 mole/kg	
Substances reducing KMnO ₄	Passes test	
Note(s) : Assay (if applicable) method mentioned.		
WARNING	IMDG Code : --	
Hazard statements : May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.	UN No. : --	
Precautionary statements	IATA : --	
Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.		
Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.		
Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.		



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Hazard Pictogram(s) :



Replace Date 08-Jan-2026

