

TECHNICAL DATA SHEET

SILVER NITRATE AR

Nitric acid silver(I) salt

Article No.	322150250	Molecular Formula	AgNO ₃
H.S. Code	2843.2100	Molecular Weight	169.88
CAS No.	7761-88-8		

Physical Properties

Physical state at 20 °C	Solid
Colour	White crystalline
Odour	Odorless
pH value	7 - 9
Melting point [°C]	212 °C
Boiling point [°C]	440 °C
Evaporation rate	>1
Vapour pressure [20°C]	17.535 mm of Hg (@ 20°C)
Vapour pressure mm/Hg	17.535 mm of Hg (@ 20°C)
Vapour density	4.4
Density [g/cm ³]	4.352
Solubility in water [% weight]	Soluble in water
Partition coefficient Log Pow octanol / water at 20°C	5
Oxidising properties	The substance or mixture is classified as oxidizing with the subcategory 2

Specifications

Assay (AgNO₃) Min 99.5 %
 Calcium Max 0.005 %
 Cadmium Max 0.01 %
 Iron Max 0.001 %
 Magnesium Max 0.001 %
 Sodium Max 0.05 %
 Lead Max 0.007 %
 Zinc Max 0.005 %
 Sulfate Max 0.01 %
 Water Max 1 %

Safety Information and Hazard Symbols



Symbol	GHS03, GHS05, GHS09
Signal Word	Danger
UN No	1493
IMCO Class No.	5.1
Hazardous Statement	H272-H314-H290 H400-H410
Precaution Statement	P221-P210-P303 -P361-P353-P305- P351-P338-P405- P501A
Packing Group	II