

SILVER NITRATE AR/ACS

PRODUCT CODE 640575

SYNONYMS --

C.I. NO. --

CASR NO. (7761-88-8)

ATOMIC OR MOLECULAR FORMULA Ag NO₃

ATOMIC OR MOLECULAR WEIGHT 169.87



PROPERTIES Soluble in cold water, more soluble in hot water, glycerol and hot alcohol ; slightly soluble in ether. Light sensitive

PARAMETER LIMIT

Description	Colourless crystals/crystalline powder darkening on exposure to light.
Solubility	10% solution in water is clear and colourless.
Minimum Assay (Argentometric ex Ag) (Trace metals basis)	99.9%

MAXIMUM LIMIT OF IMPURITIES

Alcohol insoluble matter	Passes test.
Water insoluble matter	0.003%
Chloride (Cl)	0.0005%
Sulphate (SO ₄)	0.0025%
Copper (Cu)	0.0002%
Iron (Fe)	0.0003%
Lead (Pb)	0.001%

Note(s): Assay (if applicable) method mentioned.

DANGER

Hazard statements : May intensify fire; oxidizer. Fatal if swallowed..Harmful if inhaled.Causes severe skin burns and eye damage.Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention : Do not eat, drink or smoke when using this product.Do not breathe dust or mist.Wash hands thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Take any precaution to avoid mixing with combustible or incompatible materials. Avoid breathing dust/fume/gas/mist /vapours/spray. Use only outdoors or in a well ventilated area. Keep away from heat.

Response : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Specific treatment: refer to Label or MSDS.IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.If on skin or hair:remove/ take off immediately all contaminated clothing.Rinse with water/shower.

IMDG Code : 5.1/II
UN No. : 1493
IATA : 5.1

Disposal: This chemical can be disposed off as normal industrial waste. Return the chemical to the supplier.

Hazard Pictogram(s) :



GHS03



GHS06



GHS05



GHS09

Replace Date 20-Sep-2025