

T5005 SILVER NITRATE

For general enquiries please contact our  
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| Product Number                                    | Packaging      | Size |
|---------------------------------------------------|----------------|------|
| T500500025                                        | Plastic Bottle | 25g  |
| T500500100                                        | Plastic Bottle | 100g |
| T500500500                                        | Plastic Bottle | 500g |
| Other bulk and consumer pack sizes are available. |                |      |

**Product Information**

|                  |                   |
|------------------|-------------------|
| Synonyms         | -                 |
| Chemical formula | AgNO <sub>3</sub> |
| Form             | solid             |
| Colour           | white             |
| Odour            | -                 |
| Molar mass       | 169.87g /mol      |
| CAS number       | 13478-00-7        |

**Physical and chemical data**

|                        |                             |
|------------------------|-----------------------------|
| Solubility             | Soluble in hot water        |
| Melting/freezing point | 212°C                       |
| Boiling point          | 440°C Decomposes on heating |
| Density                | 4.453 g/cm <sup>3</sup>     |
| Bulk density           | -                           |
| pH value               | -                           |
| Specific Gravity       | 4.453                       |

**Safety information**

May intensify fire; oxidiser.  
Causes severe skin burns and eye damage.  
Very toxic to aquatic life with long lasting effects.



IMCO/UN/PG:5.1/1493/II  
Tariff:2843 21 00  
R:34-50/53 • S:26-45-60-61  
F:27

**Transport information**

CLASS 5.1: Oxidizing material.  
Marine Pollutant

**Technical data**

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|                          |           |   |
|--------------------------|-----------|---|
| Assay                    | 99.0 Min  | % |
| Insoluble matter         | 0.005 Max | % |
| Chloride                 | 0.006 Max | % |
| Sulphate                 | 0.007 Max | % |
| Iron                     | 0.002 Max | % |
| Copper                   | 0.002 Max | % |
| Lead                     | 0.03 Max  | % |
| Substance not ppt by HCl | 0.005 Max | % |

**Uses**

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Laboratory reagent.  
Photographic film.  
Catalyst for ethylene oxide.  
Indelible ink.  
Silver plating.  
Silver salt.  
Silvering mirror.  
Germicide.  
Hair dyeing.  
Antiseptic.