



# Product Specification

## Product Name: POTASSIUM IODIDE AR

Alternate Name(s)

### Description

White crystals granules or powder; strong bitter saline taste.

### Properties

Chemical Formula: KI  
Molecular Weight: 166.0

Product Code: PA001  
CAS No. 7681-11-0

### General Information:

Soluble in alcohol, acetone and glycerol. Sensitive to air. Non combustible material; emits toxic fumes when heated to decomposition.

### Quality Specification

Assay: 99.0% min.

### Specific Properties and Impurities [Typical levels]:

Melting Point	686°C
Boiling Point	1330 °C
Vapour Pressure	1.33 hPa (745°C)
Specific Gravity	3.123
Solubility in Water	1430 g/L (20°C)
pH of 5% solution at 25°C	6.0-9.2
Insoluble matter	≤ 0.005%
Loss on drying at 150°C	≤ 0.2%
Chloride and bromide (as Cl)	≤ 0.01%
Iodate (IO <sub>3</sub> )	≤ 0.0003%
Phosphate (PO <sub>4</sub> )	≤ 0.001%
Sulfate (SO <sub>4</sub> )	≤ 0.005%
Heavy metals (as Pb)	≤ 0.0005%
Barium (Ba)	≤ 0.002%
Calcium (Ca)	≤ 0.002%
Iron (Fe)	≤ 0.0003%
Magnesium (Mg)	≤ 0.001%
Sodium (Na)	≤ 0.005%

### Hazard and Safety Data

UN Group: None Allocated  
Class: None Allocated  
UN Number: None Allocated  
Hazchem code: None Allocated  
CS MSDS Code: 1CH5J  
Poison schedule: Not Scheduled  
Emergency  
Procedure Guide No.: N/A

Not classified as hazardous according to the criteria of ASCC.

CONFORMS TO ACS

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Chem-Supply Pty Ltd - An ISO 9001:2008 Accredited Company

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