



# Product Specification

## Product Name: POTASSIUM SULFATE LR

Alternate Name(s) Sal polychrestum; sulfuric acid, potassium salt; sulfuric acid, dipotassium salt.  
Description  
Colourless or white hard crystals or powder; bitter saline taste.

### Properties

Chemical Formula:  $K_2SO_4$   
Molecular Weight: 174.26

Product Code: PL026  
CAS No. 7778-80-5

### General Information:

Slightly soluble in glycerol. Insoluble in alcohol. Incompatible with strong oxidizing agents, aluminium and magnesium. Non combustible material.

### Hazard and Safety Data

UN Group: None Allocated  
Class: None Allocated  
UN Number: None Allocated  
Hazchem code: None Allocated  
CS MSDS Code: 1CH5O  
Poison schedule: Not Scheduled  
Emergency  
Procedure Guide No.: N/A

Not classified as hazardous according to the criteria of ASCC.

### Quality Specification

Assay: 98.5% min.

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

|                      |                 |
|----------------------|-----------------|
| Solubility in Water  | 110 g/L (20 °C) |
| Specific Gravity     | 2.66            |
| Boiling Point        | 1689 °C         |
| Melting Point        | 1072 °C         |
| Chlorides            | ≤ 0.004%        |
| Calcium              | ≤ 0.02%         |
| Iron                 | ≤ 0.001%        |
| Magnesium            | ≤ 0.002%        |
| Sodium               | ≤ 0.1%          |
| Heavy metals (as Pb) | ≤ 0.002%        |
| Loss on Drying       | ≤ 1.0%          |

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