Potassium nitrate
ACS Reagent

Product Number 22,129-5
Store at Room Temperature
Exact replacement for Product Number P 6162

Product Description
Molecular Formula: KNO₃
Molecular Weight: 101.1
CAS Number: 7757-79-1
Melting Point: 333 °C
Synonym: saltpeter

This product is designated as ACS Reagent grade and meets the specifications of the American Chemical Society (ACS) for reagent chemicals.

Potassium nitrate is used in industrial applications, including the manufacture of glass, matches, and fluxes, and for the tempering of steel. It is also commonly used in dental research. Potassium nitrate is a source of nitrate in studies of plant and bacterial growth.

Potassium nitrate has been used in the ion chromatography of transition and heavy metal ions. It has also been utilized in the synthesis of thiophenecarboxamides.

Precautions and Disclaimer
For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions
This product is soluble in water (133 mg/ml), yielding a clear, colorless solution.

References
1. The Merck Index, 12th ed., Entry# 7815.