



## PRODUCT DATA SHEET

# POTASSIUM CHLORIDE

Stan Chem International Ltd is one of the major suppliers of various grades of Potassium Chloride in the UK market place selling:

- **Technical treated grade**
- **Technical untreated grade**
- **Food grade**
- **Pharmaceutical grade**

All materials are stocked at our ISO certified Great Yarmouth site for easy distribution to our customers and material is sold in bulk as well as packaged materials ranging from 1mton bags to 25kg net bags, depending on customers' needs.

The chemical compound Potassium chloride (KCl) is a metal halide salt composed of potassium and chlorine and is also known as Muriate of Potash, particularly when used as a fertiliser. Potash varies in colour from pink or red to white depending on the mining and recovery process used.

Grades of KCl sold by Stan Chem can be found in:

- **agriculture-fertilisers**
- **animal feeds & pet foods**
- **food processing**
- **medicines**
- **pharmaceutical applications**

**Agriculture & Technical uses:** Obviously the majority of the potassium chloride produced is used for making fertilisers but it is the feedstock used for the manufacture of potassium hydroxide and other potassium salts. Technical applications also see potassium chloride used as a flux for the gas welding of aluminium and in secondary aluminium smelting. Obviously some applications are limited using KCl due to the hygroscopic nature of the product.

**Food applications:** For food processing, it is a natural sodium-free substitute for table salt but due to its weak, bitter, unsalty flavour it is often mixed with sodium chloride to improve taste. It is also found in various brands of bottled water.

**Medical & Pharmaceuticals uses:** Potassium is vital in the human body and oral potassium chloride is the common means to replenish it, although it can also be diluted and given intravenously.