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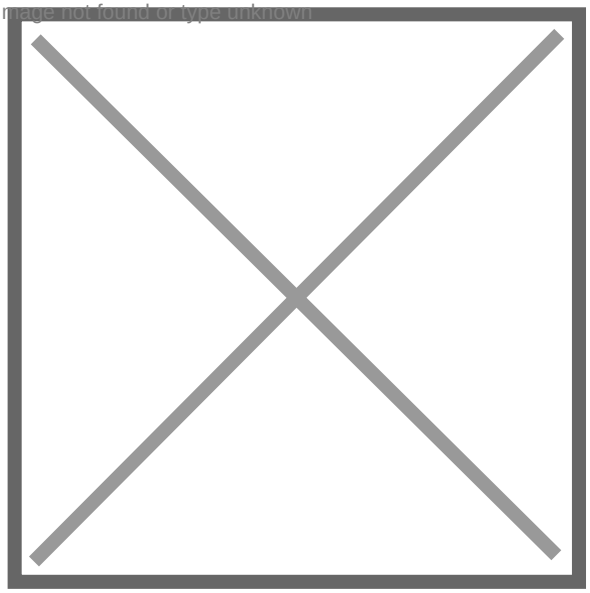
Product Name :

Potassium Sulfocyanur

Product Code :

SCI-733/322

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Science Lab

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Description :

Potassium Sulfocyanur (Product Code: SCI-733/322), better known as potassium thiocyanate (KSCN), is an analytical reagent grade salt used to demonstrate chemical equilibrium and to detect iron(III) in school and college chemistry laboratories. Supplied as a 100 g pack with its MSDS, it is the thiocyanate commonly used for the iron(III)–thiocyanate equilibrium experiment. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, together with the chemistry lab equipment such practicals need.

Specifications

Parameter	Detail
Grade	Analytical reagent
Pack capacity	100 g
Other names	Potassium thiocyanate, potassium sulfocyanide
MSDS	Supplied with the product
Shelf life	Shelf life depends on the chemical, its grade and storage conditions; ask us for the expiry date of the batch you are quoted.
Product code	SCI-733/322
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is Potassium Sulfocyanur Used For?

Mixing dilute iron(III) chloride with potassium thiocyanate gives a blood-red complex in equilibrium with the pale starting ions, so students can watch Le Chatelier's principle at work: adding more thiocyanate or more iron(III) deepens the colour, while adding silver nitrate, which removes thiocyanate as a white precipitate, makes it fade. Splitting one red solution across a row of test tubes and changing one condition in each makes an efficient class practical.

In quantitative analysis, potassium thiocyanate is the titrant in Volhard's method: chloride in a sample is precipitated with a measured excess of silver nitrate, and the leftover silver is titrated with thiocyanate until an iron(III) indicator turns red. The same red colour gives a quick qualitative check for iron(III) in water or dissolved rust. Keep the salt away from acids and wear gloves when making up solutions.

What to Specify When Ordering

- The number of 100 g packs each laboratory needs.
- Whether it is for equilibrium practicals, iron tests or Volhard titrations, so the right companion reagents are quoted.
- That potassium thiocyanate is the salt you want, since ammonium and sodium thiocyanate are listed separately.
- Companion reagents such as iron(III) chloride and silver nitrate for the same enquiry.

Supplier

Scien
Potas

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