



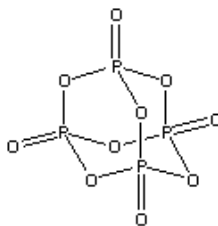
## **TECHNICAL DATA SHEET**

**NAME OF COMMODITY:** PHOSPHORUS PENTOXIDE

**CAS NO.:** 1314-56-3

**MOLECULAR FORMULA:**  $P_2O_5$

**MOLECULAR WEIGHT:** 141.94



**STRUCTURE FORMULA:**

TESTS	SPECIFICATIONS
APPEARANCE	WHITE POWDER
CONTENT %	99 MIN
INSOLUBLE SUBSTANCE IN WATER %	0.02 MAX
FE PPM	20 MAX
HEAVY METAL PPM	20 MAX
AS PPM	80 MAX
P <sub>2</sub> O <sub>3</sub> %	0.02 MAX

### **PROPERTIES:**

It is white crystal or un-firm powder tasteless.

It is very easy to deliquesce and changes into phosphoric Acid if exposed in high humidity air, this reaction will take place a great deal of smoke and heat .

It is strong corrosive and toxic.

When it is stored with organic materials could cause burning.

### **APPLICATION:**

Used as a desiccant, dehydrator, in the production of phosphoric acid, phosphorus compounds, etc.

Also used for the preparation of high-purity phosphoric acid.

### **INSTRUCTIONS DURING TRANSPORTATION:**

All drums must be kept in good condition and stored in clean and dry warehouse, It should not be shipped and stored with organic substances.

**PACKING:** net 25kg drum, 50kg drum or 200kg drum

**SHELF LIFE:** 12 months