

Product Specification

Product Name: PHOSPHORUS PENTOXIDE LR

Alternate Name(s) Phosphoric anhydride; diphosphorus pentoxide.

Description

White crystalline powder; very deliquescent; odourless or slight phosphorus-like odour. Hygroscopic.

Properties

Chemical Formula: P₂O₅

Molecular Weight: 141.94

Product Code: PL121

CAS No. 1314-56-3

General Information:

Soluble in water, sulfuric acid; insoluble in acetone and ammonia. Incompatible with alcohols, organic substances, combustible substances, metals, strong oxidising agents, heat/moisture halides, reducing agents, halogens, iodides, and sulfides.

Hazard and Safety Data

UN Group: II
Class: 8
UN Number: 1807
Hazchem code: 4W
CS MSDS Code: 1CH8Z
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: 40

Quality Specification

Assay: 98.5% min.

Specific Properties and Impurities [Typical levels]:

Heavy metals (as Pb) ≤ 0.02%
Arsenic (As) ≤ 0.01%
Iron (Fe) ≤ 0.005%

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