



Product Specification

cdhfinechemical.com

PHOSPHOROUS PENTACHLORIDE FOR SYNTHESIS

PRODUCT CODE	024672
SYNONYMS	--
C.I. NO.	--
CASR NO.	(10026-13-8)
ATOMIC OR MOLECULAR FORMULA	PCl ₅
ATOMIC OR MOLECULAR WEIGHT	208.24
PROPERTIES	Fuming, deliquescent crystals, pungent unpleasant odour. Sublimes at about 100° C without melting ,



PARAMETER

LIMIT

Description	White to light yellow crystalline powder.
Solubility	10% soln. in water is clear and bright producing large amount of heat.
Minimum Assay (Acidimetric)	98.0%

Note(s) : Assay (if applicable) method mentioned.

DANGER

Hazard statements : Harmful if inhaled. Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure by inhalation. May be corrosive to metals. Causes severe skin burns and eye damage. Harmful to life in the soil.

Precautionary statements

Prevention : Do not breathe dust or mist. Do not breathe dust/fume/gas/mist /vapours /spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing and eye/face protection. Use only outdoors or in a well ventilated area.

Response : Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse. Get medical advice/attention if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Absorb spillage to prevent material damage.

Disposal : Add a little at a time (2 to 5 gm) to a large volume of water. After the reaction or solution is complete, allow it to run to normal waste, diluting with large amount of water. Any sand used to cover spillage should be thoroughly washed with water before disposal as normal waste.

IMDG Code : 6.1/III

UN No. : 2570

IATA : 6.1

Hazard Pictogram(s) :



Aspiration hazard



Corrosive to metals



Aquatic environment