

Product Name : O,O-diethyl thiophosphoryl chloride

intro:

1. CAS NO.: 2524-04-1

2. Common name: O,O-diethyl thiophosphoryl chloride

3. Commodity name: O,O-diethyl thiophosphoryl chloride

4. Molecular formula: $C_4H_{10}ClO_2PS$

5. Structural formula:

6. Physico-chemical properties: The pure product is colourless transparent liquid. The odour is like to ester, specific gravity: 1.191(25/4). Boiling point: 71.5-72°C(7mmHg). Refracting power: 1.4684(at 25°C). Melting point: -75°C Max. The industrial product is light-yellow. Don't dissolved in water, easy dissolved in fat series & fragrant series that belong to organic solvent. Alcoholysed in alcohol and sodium alcohol. It is stable under indoor temperature. Isomeriated slowly when the temperature is below 100°C.

7. Toxicity: It's poisoning and corrosive. Irritating mucosa, eyelid & skin. Breathing steam into body will lead to tracheitis and pulmonary emphysema. Absorbing through skin will lead to poisoning. For small white rat, the half causing death volume(LD50) is 450mg/kg.

8. Usage: It's a kind of intermediate for making organic phosphorus pesticide & medicines.

9. Specification and Package :

Purity≥%	98.5min
Moisture≤%	0.2max
Chroma≤	70Degree
Package	250kgs/drum