

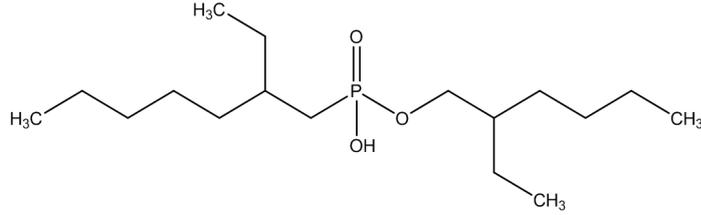
## 2-乙基己基磷酸 2-乙基己基酯 (P507)

■ CAS No: 14802-03-0

■ 分子式:  $(C_8H_{17})_2PO_3H$

■ 分子量: 306.4 (按 1987 年国际原子量表)

■ 分子结构图:



■ 性状: 本品为微黄色透明油状液体, 溶于醇、苯、酮等有机溶剂, 不溶于水, 燃点 228℃。

■ 用途: 本品是一种酸性磷型萃取剂, 广泛应用于有色金属和稀土的萃取分离。

■ 包装: 净重 200kg/塑桶; 1000L/IBC 吨桶。

■ 贮运: 运输时小心轻放, 严防撞击。贮存在阴凉、通风、干燥的仓库中, 注意防火、防雨。

■ 规格:

| 名称                 | 特定级           | 优级            | 工业级            |
|--------------------|---------------|---------------|----------------|
| 含量 %               | ≥97.0         | ≥95.0         | ≥93.0          |
| 二元酸 %              | ≤1.6          | ≤2.0          | ≤2.4           |
| 分相速度 (秒)           | $t_1 \leq 60$ | $t_1 \leq 90$ | $t_1 \leq 120$ |
| 酸值 (mg KOH/g)      | 180-195       | 180-195       | 180±5          |
| 密度 (20℃) g/ml      | 0.940-0.960   | 0.940-0.960   | 0.930-0.960    |
| 折光率 ( $n_D^{20}$ ) | 1.4480-1.4520 | 1.4480-1.4520 | -----          |
| 粘度 $\mu^{25}CPS$   | 36±3          | 36±3          | ----           |
| 闪点 (开口杯) °C        | 170±3         | 170±3         | ----           |

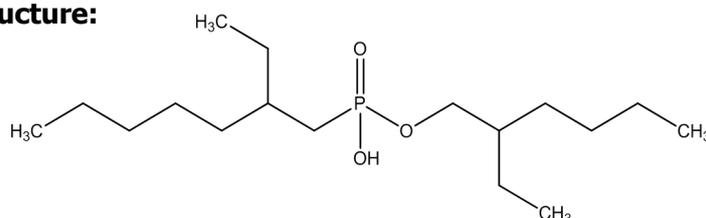
## 2-ethylhexyl 2-ethylhexyl phosphate (P507)

■ **CAS No.:**14802-03-0

■ **Molecular formula:** $(C_8H_{17})_2PO_2H$

■ **Molecular weight:**306.4 (International Atomic Weight Table,1987)

■ **Molecular structure:**



■ **Properties:**Colorless or yellowish transparent viscous oily liquid,soluble to alcohol,benzene, acetone and some-other organic solvents,no soluble to water.Low poison.Burning point:228°C.

■ **Uses:**It is a kind of acid phosphorous-type extracting agent,widely used as extracting agent for non-ferrous and rare earth metals.

■ **Package:**200kg /Plastic drum net each.1000L/IBC drum.

■ **Storage and transportation:**Handle with care,no vigorous strike is permitted.Deposited in shady,airy and dry warehouse.Keep away from fire and rain.

■ **Quality index:**

| Item                            | Specific grade | Export grade  | Industrial grade |
|---------------------------------|----------------|---------------|------------------|
| Purity, %                       | ≥97.0          | ≥95.0         | ≥93.0            |
| Diacid %                        | ≤1.6           | ≤2.0          | ≤2.4             |
| Phase separation speed (S)      | $t_1 \leq 60$  | $t_1 \leq 90$ | $t_1 \leq 120$   |
| Acid value (mg KOH/g)           | 180-195        | 180-195       | 180±5            |
| Density (20°C) g/ml             | 0.940-0.960    | 0.940-0.960   | 0.930-0.960      |
| Refractive index ( $n_D^{20}$ ) | 1.4480-1.4520  | 1.4480-1.4520 | -----            |
| Viscosity $\mu^{25}CPS$         | 36±3           | 36±3          | ----             |
| Flash point (°C)                | 170±3          | 170±3         | ----             |