

**Hukill Chemical Corporation**  
7013 Krick Road, Bedford OH, 44146  
PH 440-232-9400 FX 440-232-9477

**Technical Data Sheet**

**Phosphoric Acid 85%**

CAS # 7664-38-2

**TECHNICAL DATA**

**TYPICAL ANALYSIS**

Phosphoric Acid (H<sub>2</sub>PO<sub>3</sub>), %wt

Specific Gravity @ 68 Deg

Appearance

Phosphorus Pentoxide P<sub>2</sub>O<sub>5</sub>, wt%

Chlorides (Cl), PPM

Heavy Metals, PPM

Fe (Iron), PPM

**SPECIFICATIONS**

85% Minimum

1.686 Minimum

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61.5% Minimum

10PPM Maximum

10PPM Maximum

10PPM Maximum

**PHYSICAL PROPERTIES**

#/Gallon

14.10

Flash Point

N/A

Appearance & Odor

colorless, odorless liquid.

Physical State

Liquid

Stability - Conditions to Avoid

Stable-React exothermically with water.

Incompatibility

Oxidizers, metals, alkali, cyanides

Hazardous Decomposition

Reacts with metals to form hydrogen gas.

Polymerization - Conditions to Avoid

Will not occur-None.

Unusual Fire & Explosion Hazards

Cool containers exposed to intense heat with water to prevent container rupture. Reacts violently with water.

**USES & APPLICATIONS**

Fertilizers, soaps & detergents, inorganic phosphates, pickling & rust-proofing metals, pharmaceuticals, sugar refining, gelatin mfg, water treatment, animal feeds, electropolishing, gasoline additive, conversion coatings for metals, catalyst for ethanol mfg, lakes in cotton dyeing, yeast, soil stabilizer, waxes & polishes, binder for ceramics, activated carbon, in foods & carbonated beverages as acidulant & sequestran, laboratory reagent.

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