



# Product Specification

cdhfinechemical.com

## CALCIUM HYPOPHOSPHITE

**PRODUCT CODE** 042365

**SYNONYMS** Calcium Phosphinate

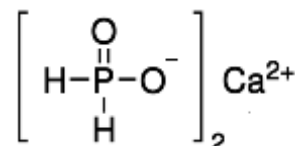
**C.I. NO.** --

**CASR NO.** (7789-79-9)

**ATOMIC OR MOLECULAR FORMULA**  $H_4CaO_4P_2$

**ATOMIC OR MOLECULAR WEIGHT** 170.05

**PROPERTIES** --



**PARAMETER** **LIMIT**

Description A white powder of lustrous crystals.

Solubility 10% solution in water is clear and colourless.

Minimum assay (Complexometric) 98 - 101%

pH (5% in water at 25°C) 4.70 – 5.50

### MAXIMUM LIMIT OF IMPURITIES

Loss on drying (at 105°C) 1.0%

Free acid (H) 0.05 M mol/g

Chloride (Cl) 0.04%

Sulphate (SO<sub>4</sub>) 0.02%

Arsenic (As) 0.0004%

Barium (Ba) Passes test

Phosphate & phosphite Passes test

Iron (Fe) 0.002%

Heavy Metal (Pb) 0.001%

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

### DANGER :

**Response :** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. In case of fire, use foam for extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower.

**HAZARD STATEMENTS :** Highly flammable liquid and vapour. May be harmful if swallowed.

### PRECAUTIONARY STATEMENTS :

**Prevention :** Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment. Ground/bond container and receiving equipment. Use only non-sparking tools. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Wear protective gloves and eye/face protection.

**Disposal :** -----

**Hazard Pictogram(s) :-----**



GHS02

IMDG Code :- 4.1/II

UN No. :- 3178

IATA :-4.1

Replace Date 13-Jan-2024