



**SDFCL**  
s d fine-CHEM limited

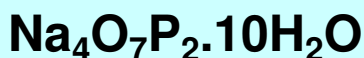


Quality Control Dept.

Excel Export To Multiple PDf

Product Specification

|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| E Control                   | QC2\DATAD\ID\PS\20261XPS.xls                                      |
| PRODUCT CODE                | 20261                                                             |
| PRODUCT NAME                | SODIUM PYROPHOSPHATE DECAHYDRATE AR,ACS                           |
| SYNONYMS                    | (Tetra- Sodium pyrophosphate decahydrate.)                        |
| C.I. NO.                    | --                                                                |
| CASR NO.                    | (13472-36-1)                                                      |
| ATOMIC OR MOLECULAR FORMULA | Na <sub>4</sub> O <sub>7</sub> P <sub>2</sub> ·10H <sub>2</sub> O |
| ATOMIC OR MOLECULAR WEIGHT  | 446.06                                                            |
| PROPERTIES                  | Melting point 79°C. Insoluble in alcohol and ammonia.             |



| PARAMETER                    | LIMIT                                              |
|------------------------------|----------------------------------------------------|
| Description                  | Colourless or white crystals / crystalline powder. |
| Solubility                   | 5% solution in water is clear and colourless.      |
| pH (of 5% solution in water) | 9.5 - 10.5                                         |
| Assay (Acidimetric)          | 99.0 - 103.0%                                      |

#### MAXIMUM LIMIT OF IMPURITIES

|                                   |         |
|-----------------------------------|---------|
| Insoluble matter                  | 0.01%   |
| Chloride (Cl)                     | 0.001%  |
| Total Nitrogen (N)                | 0.001%  |
| Orthophosphate (PO <sub>4</sub> ) | 0.1%    |
| Sulphate (SO <sub>4</sub> )       | 0.005%  |
| Arsenic (As)                      | 0.0001% |
| Iron (Fe)                         | 0.0005% |
| Heavy metals ( as Pb)             | 0.0005% |
| Potassium (K)                     | 0.005%  |

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

#### WARNING

**Hazard statements** : May be harmful if swallowed. Causes serious eye irritation. Toxic to aquatic life. Harmful to life in the soil.

#### Precautionary statements

**Prevention:** Wash hands thoroughly after handling.

**Response:** Wear eye/face protection. If eye irritation persists, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IMDG Code :--

UN No. :--

IATA :--

**Disposal:** Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

Hazard Pictogram(s) :



Skin irritation



Aquatic environment

|                             |                           |                               |                           |
|-----------------------------|---------------------------|-------------------------------|---------------------------|
| Prepared By :               | Checked By:               | Approved By:                  | Issue Date : 01.07.2002   |
| Name/Dept. : Officer (Q.A.) | Name/Dept.:Incharge(Q.A.) | Name/Dept. : Incharge (Tech.) | Revision No. : 02         |
| Sign. :                     | Sign. :                   | Sign. :                       | Revision dt. : 02.04.2010 |
| Date : 01.04.2010           | Date : 01.04.2010         | Date : 02.04.2010             | AMEND NO. : 1554          |



