



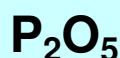
**SDFCL**  
s d fine-chem limited



Quality Control Dept.

Product Specification

|                             |                                                         |
|-----------------------------|---------------------------------------------------------|
| E Control                   | QC2\DATAD\D\PS\20434XPS.xls                             |
| PRODUCT CODE                | 20434                                                   |
| PRODUCT NAME                | PHOSPHOROUS PENTOXIDE AR                                |
| SYNONYMS                    | (Diphosphorous pentoxide AR) ,(Phosphoric anhydride AR) |
| C.I. NO.                    | --                                                      |
| CASR NO.                    | (1314-56-3)                                             |
| ATOMIC OR MOLECULAR FORMULA | P <sub>2</sub> O <sub>5</sub>                           |
| ATOMIC OR MOLECULAR WEIGHT  | 141.94                                                  |
| PROPERTIES                  | Hygroscopic                                             |



| PARAMETER                     | LIMIT                            |
|-------------------------------|----------------------------------|
| Description                   | White highly hygroscopic powder. |
| Solubility                    | Soluble in water.                |
| Minimum Assay ( Acidimetric ) | 98.0%                            |
| MAXIMUM LIMIT OF IMPURITIES   |                                  |
| Chloride (Cl)                 | 0.001%                           |
| Ammonium (NH <sub>4</sub> )   | 0.002%                           |
| Arsenic (As)                  | 0.005%                           |
| Nitrate (NO <sub>3</sub> )    | 0.002%                           |
| Cadmium (Cd)                  | 0.0005%                          |
| Lead (Pb)                     | 0.0005%                          |
| Iron (Fe)                     | 0.001%                           |
| Manganese (Mn)                | 0.001%                           |
| Reducing Substances           | 0.02%                            |

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

**DANGER**

**Hazard statements** : Fatal if inhaled. May be corrosive to metals.Causes severe skin burns and eye damage

**Precautionary statements**

**Prevention** : Wear respiratory protection.Use only outdoors or in a well ventilated area.Do not breathe dust/fume/gas/mist/vapours/spray. Do not breathe dust or mist. Wash thoroughly after handling.Wear protective gloves/clothing and eye/face protection.

**Response** : Keep container tightly closed.IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower.IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS.

IMDG Code :8/II  
UN No. : 1807  
IATA : 8

**Disposal** : Add a little at a time (2 to 5 gm) to a large volume of water. After the reaction or solution is complete, allow it to run to normal waste, diluting with large amount of water. Any sand used to cover spillage should be thoroughly washed with water before disposal as normal waste.

Hazard Pictogram(s) :



Acute toxicity



Corrosive to metals

|                             |                           |                               |                           |
|-----------------------------|---------------------------|-------------------------------|---------------------------|
| 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           |



