

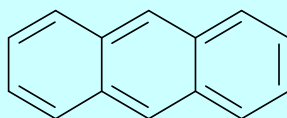


**SDFCL**  
s d fine-CHEM limited  
Quality Control Dept.



Product Specification

|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| E Control                   | QC2\DATAD\D:\PS\24611XPS.xls                                      |
| PRODUCT CODE                | 24611                                                             |
| PRODUCT NAME                | ANTHRACENE FOR SCINTILLATION GRADE                                |
| SYNONYMS                    | --                                                                |
| C.I. NO.                    | --                                                                |
| CASR NO.                    | (120-12-7)                                                        |
| ATOMIC OR MOLECULAR FORMULA | C <sub>14</sub> H <sub>10</sub>                                   |
| ATOMIC OR MOLECULAR WEIGHT  | 178.22                                                            |
| PROPERTIES                  | Blue fluorescence. Combustable. It has semiconducting properties. |



| PARAMETER                   | LIMIT                                                           |
|-----------------------------|-----------------------------------------------------------------|
| Description                 | White to almost white crystalline powder.                       |
| Solubility                  | 2% solution in Toluene is clear and colourless to faint yellow. |
| Identification (By FTIR)    | Conforms.                                                       |
| Minimum Assay (By GC)       | 99.50%                                                          |
| Melting Point               | 214° - 217°C                                                    |
| Suitability as scintillator | Passes test.                                                    |
| Residue on sublimation      | Max. 0.1%                                                       |
| MAXIMUM LIMIT OF IMPURITIES |                                                                 |
| --                          | --                                                              |
|                             |                                                                 |
|                             |                                                                 |
|                             |                                                                 |
|                             |                                                                 |
|                             |                                                                 |

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

**WARNING**

**Hazard statements:** Causes mild skin irritation.

**Prevention:** -----

**Response:** If skin irritation occurs, seek medical advice/attention.

IMDG Code :--

UN No. : --

IATA : --

**Disposal:** The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

Hazard Pictogram(s) : --

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

