



**SDFCL**  
s d fine-CHEM limited

Quality Control Dept.



C Product Specification

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                     |                                                    |                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------|
| E Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | QC2\DATAD\D:\PS\37248XPS.xls                                                                                                        |                                                    |                           |
| PRODUCT CODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 37248                                                                                                                               |                                                    |                           |
| PRODUCT NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ANTIMONY (METAL) POWDER LR                                                                                                          |                                                    |                           |
| SYNONYMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | --                                                                                                                                  |                                                    |                           |
| C.I. NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | --                                                                                                                                  |                                                    |                           |
| CASR NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | (7440-36-0)                                                                                                                         |                                                    |                           |
| ATOMIC OR MOLECULAR FORMULA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Sb                                                                                                                                  |                                                    |                           |
| ATOMIC OR MOLECULAR WEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 121.75                                                                                                                              |                                                    |                           |
| PROPERTIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Low thermal conductivity, Oxidized by nitric acid, not attacked by hydrochloric acid in absence of air, reacts with sulphuric acid. |                                                    |                           |
| <b>Sb</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |                                                    |                           |
| PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | LIMIT                                                                                                                               |                                                    |                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Blackish gray fine powder.                                                                                                          |                                                    |                           |
| Solubility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Soluble in hot concentrated HCl in presence of few drops of concentrated HNO <sub>3</sub> .                                         |                                                    |                           |
| Minimum Assay (Iodometric; ex Sb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 98.5%                                                                                                                               |                                                    |                           |
| MAXIMUM LIMIT OF IMPURITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                     |                                                    |                           |
| Arsenic (As)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.05%                                                                                                                               |                                                    |                           |
| Iron (Fe)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.07%                                                                                                                               |                                                    |                           |
| Lead (Pb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.45%                                                                                                                               |                                                    |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                     |                                                    |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                     |                                                    |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                     |                                                    |                           |
| Note(s) : Assay (if applicable) method mentioned.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                     |                                                    |                           |
| <b>WARNING</b><br><b>Hazard statements:</b> Harmful if inhaled. Harmful if swallowed. Toxic to aquatic life with long lasting effects.<br><b>Prevention:</b> Wash hands thoroughly after handling. Use only outdoors or in a well ventilated area. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapours/spray.<br><b>Response:</b> Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Specific treatment: refer to Label or MSDS. |                                                                                                                                     | IMDG Code : 6.1/III<br>UN No. : 2871<br>IATA : 6.1 |                           |
| <b>Disposal:</b> Return the chemical to the supplier. The chemical is retained for recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                     |                                                    |                           |
| Hazard Pictogram(s) :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                     |                                                    |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                     |                                                    |                           |
| <b>Skin irritation      Aquatic environment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                     |                                                    |                           |
| 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.: 01          |
| Sign. :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sign. :                                                                                                                             | Sign. :                                            | Revision dt. : 02.04.2010 |
| Date : 01.04.2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Date : 01.04.2010                                                                                                                   | Date : 02.04.2010                                  | AMEND NO. : 1554          |

