



**SDFCL**  
s d fine-chem limited

Quality Control Dept.

Product Specification



|                             |                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------|
| E Control                   | QC2IDATADID:IPSI20237XPS.xls                                                     |
| PRODUCT CODE                | 20237                                                                            |
| PRODUCT NAME                | SODIUM ARSENATE AR                                                               |
| SYNONYMS                    | (Sodium arsenate dibasic heptahydrate; di-sodium hydrogen arsenate heptahydrate) |
| C.I. NO.                    | --                                                                               |
| CASR NO.                    | (10048-95-0)                                                                     |
| ATOMIC OR MOLECULAR FORMULA | Na <sub>2</sub> HAsO <sub>4</sub> ·7H <sub>2</sub> O                             |
| ATOMIC OR MOLECULAR WEIGHT  | 312.02                                                                           |
| PROPERTIES                  | Slightly soluble in alcohol, insoluble in ether.                                 |



| PARAMETER                                  | LIMIT                                 |
|--------------------------------------------|---------------------------------------|
| Description                                | White crystalline powder or crystals. |
| Solubility                                 | Soluble in water.                     |
| Assay (Iodometric)                         | 99.0 - 102.0%                         |
| pH of (5% Soln.in water)                   | 8.5 - 9.0                             |
| <b>MAXIMUM LIMIT OF IMPURITIES</b>         |                                       |
| Insoluble matter                           | 0.005%                                |
| Arsenite (As <sub>2</sub> O <sub>3</sub> ) | 0.01%                                 |
| Chloride (Cl)                              | 0.001%                                |
| Nitrate (NO <sub>3</sub> )                 | 0.005%                                |
| Sulphate (SO <sub>4</sub> )                | 0.01%                                 |
| Copper (Cu)                                | 0.001%                                |
| Heavy Metals (Pb)                          | 0.001%                                |
| Iron (Fe)                                  | 0.001%                                |
| Nickel (Ni)                                | 0.001%                                |
|                                            |                                       |
|                                            |                                       |

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

#### HAZARD

**DANGER:** Toxic if swallowed. Toxic if inhaled. May cause cancer. Very toxic to aquatic life with long lasting effects.

#### PRECAUTIONARY STATEMENTS

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash ... thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well- ventilated area. Avoid release to the environment. Use personal protective equipment as required.

#### Response: IF

**SWALLOWED:** Immediately call a POISON CENTER or doctor/physician. IF

**INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician Rinse mouth. Collect spillage

IMDG Code : 6.1/II  
UN No. : 1685  
IATA : 6.1

**Disposal:** The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

The chemical waste should be collected by specialized disposal company.

Hazard(s) :



Acute toxicity



Aspiration hazard



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. : 11.05.2015 |
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