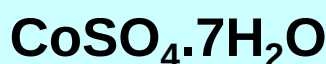




Product Specification

|                             |                                      |
|-----------------------------|--------------------------------------|
| E Control                   | QC2\DATADID:IPSI20084XPS.xls         |
| PRODUCT CODE                | 20084                                |
| PRODUCT NAME                | COBALTOUS SULPHATE HEPTAHYDRATE AR   |
| SYNONYMS                    | [Cobalt (II) sulphate heptahydrate]  |
| C.I. NO.                    | --                                   |
| CASR NO.                    | (10026-24-1)                         |
| ATOMIC OR MOLECULAR FORMULA | CoSO <sub>4</sub> .7H <sub>2</sub> O |
| ATOMIC OR MOLECULAR WEIGHT  | 281.10                               |
| PROPERTIES                  | ---                                  |



| PARAMETER                          | LIMIT                                      |
|------------------------------------|--------------------------------------------|
| Description                        | Small red crystals/crystalline powder.     |
| Solubility                         | 10% solution in water is bright and clear. |
| Reaction ( pH )                    | > 3.0                                      |
| Minimum Assay<br>( Complexometric) | 99.0%                                      |
| MAXIMUM LIMIT OF IMPURITIES        |                                            |
| Insoluble matter                   | 0.003%                                     |
| Chloride (Cl)                      | 0.001%                                     |
| Nitrogen compounds (N)             | 0.005%                                     |
| Calcium (Ca)                       | 0.005%                                     |
| Copper (Cu)                        | 0.001%                                     |
| Iron (Fe)                          | 0.002%                                     |
| Lead (Pb)                          | 0.001%                                     |
| Magnesium (Mg)                     | 0.001%                                     |
| Manganese (Mn)                     | 0.001%                                     |
| Nickel (Ni)                        | 0.01%                                      |
| Zinc (Zn)                          | 0.005%                                     |

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

**HAZARD**

**WARNING**

Hazard statements : Harmful if inhaled. Harmful if swallowed.May cause allergic skin reaction. Suspected of causing cancer

**PRECAUTIONARY STATEMENTS**

**Prevention:** Contaminated clothing should not be allowed out of the workplace.Obtain special instructions before use.

Use only outdoors or in a well ventilated area.Avoid breathing dust/fume/gas/mist/vapours/spray.Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.Use personal protective equipment as required.Do not handle until all safety precautions have been read and understood.

**Response** : If exposed or concerned: Get medical attention advice. If skin irritation or rash occurs, seek medical advice/attention.Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.Specific treatment: refer to Label or MSDS. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN: Gently wash with plenty of soap and water.

IMDG Code : --

UN No. : --

IATA : --

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

Hazard Pictogram(s) :



| Skin irritation             |                           | Aspiration hazard             |                            |
|-----------------------------|---------------------------|-------------------------------|----------------------------|
| 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.: 03           |
| Sign. :                     | Sign. :                   | Sign. :                       | Revision dt. : 25.03.2015. |
| Date : 14.03.2015           | Date : 14.03.2015.        | Date : 25.03.2015.            | AMEND NO. :1672.           |