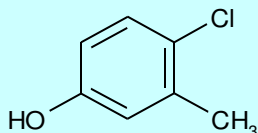




Product Specification

|                             |                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------|
| E Control                   | QC2\DATAD\ID\PS\37702XPS.xls                                                                  |
| PRODUCT CODE                | 37702                                                                                         |
| PRODUCT NAME                | 4-CHLORO-m-CRESOL                                                                             |
| SYNONYMS                    | (2-Chloro-5-hydroxytoluene; 4-chloro-3-methylphenol)                                          |
| C.I. NO.                    | -                                                                                             |
| CASR NO.                    | (59-50-7)                                                                                     |
| ATOMIC OR MOLECULAR FORMULA | C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> )OH                                            |
| ATOMIC OR MOLECULAR WEIGHT  | 142.59                                                                                        |
| PROPERTIES                  | Irritant to skin. Volatile with steam. Aq solution turns yellow on exposure to light and air. |



| PARAMETER          | LIMIT                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Description        | Colourless or almost colourless or white crystalline powder; odour characteristic and not tarry.                                     |
| Solubility         | Very soluble in ethanol (95%); freely soluble in ether and in fatty oils; slightly soluble in water. It dissolves in soln. of alkali |
| Minimum Assay (GC) | 98%                                                                                                                                  |
| Melting Point      | 63 – 66 °C                                                                                                                           |

MAXIMUM LIMIT OF IMPURITIES

|                              |                  |
|------------------------------|------------------|
| Acidity or alkalinity        | Passes the test. |
| Clarity & colour of solution | Passes the test. |
| Related substance (GC)       | 1.0%             |
| Non volatile matter          | 0.1%             |

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

**DANGER**

**Hazard statements:** May cause respiratory irritation. Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed. Causes skin irritation. May cause allergic skin reaction. Causes serious eye damage. Very toxic to aquatic life. Harmful to life in the soil.

**Precautionary statements**

**Prevention:** Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing. Wash thoroughly after handling. Contaminated clothing should not be allowed out of the workplace. Use only outdoors or in a well ventilated area. Wash hands thoroughly after handling.

not eat, drink or smoke when using this product.

**Response:** Wash contaminated clothing before reuse. If eye irritation persists, get medical advice/attention. If skin irritation or rash occurs, seek medical advice/attention. Wear eye/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs, seek medical advice/attention. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Remove/

IMDG Code : 6.1/II

UN No. : 3437

IATA : 6.1

Take off immediately all contaminated clothing. Specific treatment: refer to Label or MSDS. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. Wash/Decontaminate removed clothing before reuse.

**Disposal:** Dispose of contents and container in accordance with relevant legislation.

Hazard Pictogram(s) :



Corrosive to metals



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. : 02.04.2010 |
| Date : 01.04.2010           | Date : 01.04.2010         | Date : 02.04.2010             | AMEND NO. : 1554          |