



Product Specification

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| E Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | QC2\DATAD\DA\PS\20072XPS.xls                                                              |
| PRODUCT CODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20072                                                                                     |
| PRODUCT NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CARBON DISULPHIDE AR                                                                      |
| SYNONYMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N/A                                                                                       |
| C.I. NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | N/A                                                                                       |
| CASR NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 75-15-0                                                                                   |
| ATOMIC OR MOLECULAR FORMULA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CS <sub>2</sub>                                                                           |
| ATOMIC OR MOLECULAR WEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 76.14                                                                                     |
| PROPERTIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Disagreeable odor.                                                                        |
| $\text{S} \equiv \text{S}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                           |
| PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LIMIT                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A clear liquid, not more than 20 Hazen units in colour, with a characteristic odour.      |
| Solubility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Miscible with absolute industrial methylated spirit forming a clear, colourless solution. |
| Minimum assay (By GC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 99.5%                                                                                     |
| Wt.per ml at 20 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | About 1.262 - 1.264 g                                                                     |
| Boiling Range (46.0 - 46.5 °C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 95.0%                                                                                     |
| Refractive Index (n) <sub>D</sub> <sup>20</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.626 - 1.628                                                                             |
| MAXIMUM LIMIT OF IMPURITIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                           |
| Acidity (as SO <sub>2</sub> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.0005%                                                                                   |
| Non volatile matter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.005%                                                                                    |
| Copper (Cu)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.00005%                                                                                  |
| Iron (Fe)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.0002%                                                                                   |
| Lead (Pb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.00005%                                                                                  |
| Hydrogen sulphide (H <sub>2</sub> S)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.00015%                                                                                  |
| Sulphur dioxide (SO <sub>2</sub> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.00025%                                                                                  |
| Note(s) : Assay (if applicable) method mentioned.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                           |
| <b>DANGER</b><br><b>STATEMENTS</b> : Highly flammable liquid and vapour. Fatal if inhaled<br>Toxic if swallowed. Causes skin irritation. Causes serious eye irritation<br>May cause allergic skin reaction. Suspected of damaging fertility. Suspected of damaging the unborn child. Causes damage to organs through prolonged or repeated exposure by inhalation.<br><b>PRECAUTIONARY STATEMENTS</b> :<br><b>Prevention</b> : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Wash thoroughly after handling. Use only outdoors or in a well ventilated area. Wear respiratory protection. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated clothing should not be allowed out of the workplace. Use personal protective equipment as required. Wear protective gloves and eye/face protection. Do not handle until all safety precautions have been read and understood. Keep container tightly closed. Obtain special instructions before use. Use only non-sparking tools. Keep away from heat/sparks/open flame - No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge | <b>HAZARD</b><br>IMDG Code : ---<br>UN No. : ---<br>IATA : ---                            |

**Response :** If exposed or concerned: Get medical attention advice. Wear eye/face protection. If skin irritation or rash occurs, seek medical advice/attention. If eye irritation persists, get medical advice/attention. Wash contaminated clothing before reuse. 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. In case of fire, use dry agent for extinction. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. In case of fire, use foam for extinction. Get medical advice/attention if you feel unwell. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. 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. Remove/Take off immediately all contaminated clothing

**Disposal :** Allow to evaporate in safe open area (applicable for small quantities). The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. If the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company.

Hazard pictogram(s) :



**Flammable liquids Acute toxicity Aspiration hazard**

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| Prepared By : VINOD PATEL   | Checked By: RAJU VYAS      | Approved By: S.S.TOLIA        | 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. : 18/08/2010 |
| Date : 16/08/2010           | Date : 16/08/2010          | Date : 18/08/2010             | AMEND NO. : P062          |