



# Product Specification

cdhfinechemical.com

## 1,2-DICHLOROETHANE AR

<b>PRODUCT CODE</b>	<b>508635</b>
<b>SYNONYMS</b>	<b>Ethylene chloride</b>
<b>C.I. NO.</b>	<b>N/A</b>
<b>CASR NO.</b>	<b>107-06-2</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>C<sub>2</sub>H<sub>4</sub>Cl<sub>2</sub></b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>98.96</b>
<b>PROPERTIES</b>	---
<b>PARAMETER</b>	<b>LIMIT</b>
Description	A clear liquid, not more than 10 Hazen units in colour.
Minimum assay (By GC)	99.5%
Wt.per ml at 20°C	1.252 - 1.254 g
Boiling Range	82 - 84°C
Refractive index (n) <sub>D</sub> <sup>20</sup>	1.443 - 1.445
<b>MAXIMUM LIMIT OF IMPURITIES</b>	
Water	0.05%
Non volatile matter	0.001%
Free chlorine (Cl)	0.0001%
Copper (Cu)	0.000005%
Iron (Fe)	0.00001%
Lead (Pb)	0.000005%
Substances reducing permanganate	0.001%
Free acid (as HCl)	0.001%
Chromium (Cr)	0.000002%
Zinc (Zn)	0.00001%
Cobalt (Co)	0.000002%
Cadmium (Cd)	0.000005%
Manganese (Mn)	0.000002%
Sodium (Na)	0.00005%
Substances discoloured by H <sub>2</sub> SO <sub>4</sub>	Passes test.






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



# Product Specification

cdhfinechemical.com

<p><b>DANGER</b></p> <p><b>HAZARD STATEMENTS :</b> May cause respiratory irritation. Highly flammable liquid and vapour. Toxic if inhaled. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause CANCER.</p> <p><b>PRECAUTIONARY STATEMENTS :</b></p> <p><b>Prevention :</b> Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Obtain special instructions before use. Ground/bond container and receiving equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Keep away from heat/sparks/open flame - No smoking. Wear protective gloves and eye/face protection. Use personal protective equipment as required. Keep container tightly closed. Do not handle until all safety precautions have been read and understood. Use only nonsparking tools. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge.</p> <p><b>Response :</b> If exposed or concerned: Get medical attention advice. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Wear eye/face protection. If eye irritation persists, get medical advice/attention. 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 on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment: refer to Label or MSDS. In case of fire, use dry agent for extinction. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. Wash/Decontaminate removed clothing before reuse.</p>	<p>IMDG Code : 3/II UN No. : 1184 ATA : 3</p>
<p><b>Disposal :</b> 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. Follow the instructions as per code no. 7, but transfer the waste to drum specifically designated for halogenated hydrocarbon solvents.</p>	
<p>Hazard pictogram(s) :</p> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"> GHS02</div><div style="text-align: center;"> GHS06</div><div style="text-align: center;"> GHS08</div></div>	