



Product Specification

E Control	QC2\DATAD\PS\20320XPS.xls
PRODUCT CODE	20320
PRODUCT NAME	1,2-DICHLOROETHANE AR
SYNONYMS	Ethylene chloride
C.I. NO.	N/A
CASR NO.	107-06-2
ATOMIC OR MOLECULAR FORMULA	CICH ₂ CH ₂ Cl
ATOMIC OR MOLECULAR WEIGHT	98.96
PROPERTIES	



PARAMETER	PARAMETER
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)	Min. 95.0%
Refractive index (n) _D ²⁰	1.443 - 1.445
MAXIMUM LIMIT OF IMPURITIES	
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 ₂ SO ₄	Passes test.

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

DANGER

HAZARD STATEMENTS : 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.

PRECAUTIONARY STATEMENTS :

Prevention : 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 non-sparking tools. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge.

IMDG Code : 3/II
UN No. : 1184
IATA : 3

Response : 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.

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. Follow the instructions as per code no. 7, but transfer the waste to drum specifically designated for halogenated hydrocarbon solvents.

Hazard pictogram(s) :



Flammable liquids Acute toxicity Aspiration hazard

Prepared By : DINESH	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
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