



Product Specification

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1,2-DICHLOROETHANE GC REFERENCE STANDARD (TRACEABLE TO USP REFERENCE STANDARD)

PRODUCT CODE	R12505
SYNONYMS	Ethylene chloride
C.I. NO.	N/A
CASR NO.	107-06-2
ATOMIC OR MOLECULAR FORMULA	C ₂ H ₄ Cl ₂
ATOMIC OR MOLECULAR WEIGHT	98.96
PROPERTIES	---
PARAMETER	LIMIT
Description	A clear liquid, not more than 10 Hazen units in colour.
Solubility	Miscible with alcohol forming clear and colourless solution.
Identification (by ¹ H NMR)	Passes test
Identification (by GCMS)	Passes test
Identification (by IR)	Passes test
Minimum assay (By GC)	99.9%
MAXIMUM LIMIT OF IMPURITIES	
Water (by KF)	0.03%
Residue on evaporation	0.002%
Colour scale	10 APHA
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 nonsparking tools. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge. 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.	IMDG Code : 3/II UN No. : 1184 IATA : 3
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.	





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Hazard pictogram(s) :



GHS02



GHS06



GHS08