



Product Specification

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DICHLOROMETHANE FOR MOLECULAR BIOLOGY

PRODUCT CODE	925600	
SYNONYMS	(Methylene Chloride)	
C.I. NO.	N/A	
CASR NO.	75-09-2	
ATOMIC OR MOLECULAR FORMULA	CH ₂ Cl ₂	
ATOMIC OR MOLECULAR WEIGHT	84.93	
PROPERTIES	--	
PARAMETER	LIMIT	
Description	Clear & colourless liquid.	
Solubility	Miscible with absolute industrial methylated spirit (methanol) forming a clear & colourless solution	
Minimum assay (GC)	99.9%	
Wt. per ml at 20°C	1.323 – 1.325 g	
Refractive index (20°C)	1.424 – 1.425	
MAXIMUM LIMIT OF IMPURITIES		
Colour (APHA)	10	
Non volatile matter	0.0003%	
Acidity (HCl)	0.0003%	
Free Chlorine (Cl)	0.001%	
Water (KF)	0.01%	
%T (Transmission) in a 1cm cell v/s H2O		
230 nm	≥ 5	
233 nm	≥ 10	
235 nm	≥ 25	
240 nm	≥ 50	
245 nm	≥ 80	
250 nm	≥ 95	
254 nm	≥ 98	
255 nm	≥ 98	
260-400 nm	≥ 99	
Note(s) : Assay (if applicable) method mentioned.		
WARNING Hazard statements : Harmful if swallowed. May cause allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects. Precautionary statements Prevention: Wash hands thoroughly after handling. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours /spray. Do not eat, drink or smoke when using this product. Contaminated clothing should not be allowed out of the workplace.	IMDG Code : 6.1/III UN No. : 1593 IATA : 6.1	



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Response: If skin irritation or rash occurs, seek medical advice/attention. Get medical advice/attention if you feel unwell. IF ON SKIN: Gently wash with plenty of soap and water. Specific treatment: refer to Label or MSDS. Wash contaminated clothing before reuse.

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company. The waste chemical should be buried on a stage approved site .The liquids should be absorbed on sand.

Hazard Pictogram(s) :

	
GHS07	GHS08

Replace date 01-Apr-2024