



SDFCL
s d fine-CHEM limited
Quality Control Dept.



Product Specification

E Control	QC2\DATAD\ID:IPSI20077XPS.xls
PRODUCT CODE	20077
PRODUCT NAME	CHLOROFORM AR (STABILISED WITH ETHANOL)
SYNONYMS	Trichloromethane
C.I. NO.	N/A
CASR NO.	67-66-3
ATOMIC OR MOLECULAR FORMULA	CHCl ₃
ATOMIC OR MOLECULAR WEIGHT	119.38
PROPERTIES	Highly refractive, Pure chloroform is light sensitive.
$\begin{array}{c} \text{Cl} \\ \\ \text{H}-\text{C}-\text{Cl} \\ \\ \text{Cl} \end{array}$	
PARAMETER	LIMIT
Description	A clear liquid with a characteristic odour, not more than 10 Hazen units in colour.
Solubility	Miscible with absolute industrial methylated spirit (methanol) forming a clear colourless solution.
Assay (By GC) (excluding stabilizer)	99.0 - 99.4%
Stabiliser (Ethanol) content	0.6 - 1.0% w/v
Wt.per ml at 20°C	1.474 - 1.478 g
Refractive Index (n) _D ²⁰	1.444 - 1.445
Boiling Range (60.0 - 62.0°C)	Min. 95.0%
Suitability for use with dithiozone	Passes test.
MAXIMUM LIMIT OF IMPURITIES	
Water	0.05%
Non volatile matter	0.0005%
Acidity (as HCl)	0.0005%
Ionized chloride (Cl)	0.00002%
Free chlorine (Cl)	0.0005%
Metallic impurities	No Reaction
Aldehydes & Ketones (CH ₃ CHO)	0.005%
Organic Impurities	Passes test.
Note(s) : Assay (if applicable) method mentioned.	
DANGER HAZARD STATEMENTS : May cause drowsiness and dizziness. Fatal if swallowed. Harmful in contact with skin. Causes skin irritation. Causes eye irritation. May cause CANCER. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure. PRECAUTIONARY STATEMENTS : Prevention : Obtain special instructions before use. Wash hands thoroughly after handling. Wear protective gloves/clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product.	
IMDG Code : 6.1/III UN No. : 1888 IATA : 6.1	

Response : Wash contaminated clothing before reuse. If exposed or concerned: Get medical attention advice. If eye irritation persists, get medical advice/attention. If skin irritation occurs, seek 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 ON SKIN: Gently wash with plenty of soap and water. Get medical advice/attention if you feel unwell. Specific treatment: refer to Label or MSDS. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. 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). Follow the instructions as per code no. 7, but transfer the waste to drum specifically designated for halogenated hydrocarbon solvents.			
Hazard pictogram(s) :   Acute toxicity Aspiration hazard			
Prepared By : Asmita Thakkar	Checked By :CP Sivaraman	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
Name/Dept. : Sr.Officer (Q.A.)	Name/Dept. :Manager(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 02
Sign. :	Sign. :	Sign. :	Revision dt. : 11/07/2014
Date : 03/07/2014	Date : 04/07/2014	Date : 11/07/2014	AMEND NO. : P127