

MSDS - 1080

## MATERIAL SAFETY DATA SHEET

(As per the Schedule-5 of TNCIMAH Rules, 1994 and Rule 62 C of Tamil Nadu Factories Rule 1950)

# 1. IDENTITY OF MATERIAL

Product Name : Trichloromethane			Chemical Designation : Chlorinated Hydrocarbon						
Trade Name : Trichloromethane			Synonyms : 1		: Trichloromethane				
Formula : CHCl <sub>3</sub>	Toxic	Category Class)	CAS Number <b>67 – 66 - 3</b>		UN Number <b>1888</b>				
Regulated Identification	Trichlor Codes/ Toxic Class – Hazard	6 ous Waste	HAZCHEM Code : <b>2Z</b>						
	Identifi	ication Number : ID No. 6							
Hazardous Ingredients			C A S Number						
1 . Trichloromethane			67 - 66 - 3						
2.									
3.									
4.									
2. PHYSICAL AND CH	IEMICAI	PROPERTIES							
Physical State (Gas-, Liquid-, Solid-,) Liquid		Boiling Point In degree C: 61.2 °C		Vapour pressure at 35 deg C 197 mm Hg @ 25 <sup>0</sup> C					
Appearance Colourless , watery Liquid		Melting/Freezing Point In degree C : - 63.5 ° C		Evaporation rate at 30 degree C Not Listed					
Odour Sweet pleasant Odur		Vapour Density (air=1) 4.12		Solubility in water At 30 degree C Not soluble					
Others: Miscible with	e, CCl4, Alcohol	Specific Gravity: 1.49 pH: Neutral							
3. FIRE AND EXPLOS	IVE HA	ZARDS DATA							
Explosion / Flammability : No	Not pe	Point (oc) rtinent	LEL Not pertinent		Auto ignition Temp. Not pertinent				
		Point (cc) rtinent	UEL Not pertinent		TDG Flammability Not pertinent				
4. REACTIVE HAZARI			<u>.</u>		<u> </u>				
Impact									
Stability to Static Discharge		Stable							
Reactivity		Reacts Violently with acetone+alkali, disilane Al, Mg Methanol + Alkali, Nitrogentetroxide, Perchloric acid + Phosphorous pentoxide, Sodium methylate, metals.							
Hazardous Polymerization / Reaction		Will not occur							
Incompatibility		Strong Caustic, Chemically active metals such as Al, Mg, Mg Powder, Na, K							

Revised on: 15.03.13 Revision : 02



MSDS: 1080

5. HEALTH HAZARD DATA	<b>A</b>								
Routes of Entry		lation, Ing	estion, sk	in & ey	es.				
	ms : Inha and term dizzi	Inhalation of large doses may cause hypo tension respiratory and myocardial depression and death. Symptoms for short term exposure include head ache, drowsiness, vomiting, dizziness, and irregular heart beat. Prolonged exposure may cause liver and kidney damage. Liquid may produce irritation.							
LD 50 (in rat) : 2.18 ml/Kg		<u> </u>							
Permissible Exposure Limit	(PFI):			_C 50 (in rat) (mg/1)/4 hours : Not listed Short term Exposure Limit (STEL) :					
10 (SHC) ppm / 50 (SHC) r				Not listed					
Threshold Limit Value (TLV				Odour Threshold Value (TLV) of ACGIH					
10 (SHC) ppm / 50 (SHC) r					m / 250 mg/m3				
Emergency Treatment:	<u> </u>		1 1-1-	,					
	move the	victim fron	n exposur	e to fre	esh air area. I	Keep patient			
Inhalation : Remove the victim from exposure to fresh air area. Keep patient warm and quite. If breathing stops, start artificial respiration : Flush with plenty of water for 15 minutes. Remove contaminated clothes.									
Ingestion : Do	not induc	e vomiting	give plen	ity of w	ater and mill	k. Seek medical			
Ingestion : Do not induce vomiting give plenty of water and milk. Seek medical aid immediately.									
6. HAZARD SPECIFICATI	ON								
NFPA Hazard H	ealth	Flamma		R	eactivity	Special			
Signals	2		0		0	0			
Known Hazards					1				
Combustible Liquid : No			Material: No Irritan		Irritant	: No			
Flammable Material : No		Oxidiser		: No	Sensitizer	: No			
Pyrophoric Material: No		Organic Peroxide : No Carcinogen : No							
Explosive Material : No		osive Mate		: No	Mutagen	: No			
Unstable Material : No	Com	pressed G	as	: No	Other (Spec	cify) : Nil			
7. SAFE USAGE DATA									
Ventilation:		-	ainers tigr	itly clo	sed in cool , \	Well ventilated			
General/Mechanical		area.							
Protective Equipment Required		Eye: Chemical Splash Protective Goggle Respiratory: Breathing Apparatus Gloves: PVC or Rubber Hand gloves. Clothing: Others:							
Precautions - Handling &	Sto	Store in a dry, relatively isolated, well ventilated place.							
Storage		7. 7, 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.							
8. EMERGENCY RESPONS									
Fire	pow Suit circ Wea Spe Ren imn be o	Fire Extinguishing Media: Carbon di oxide, Dry Chemical powder.  Suitable fire Extinguishing media appropriate to local circumstances and the surrounding environment.  Wear respiratory protection.  Special Procedures Remove all movable containers from the fire zone immediately. Immovable containers in the vicinity of fire may be cooled with water spray externally.  Unusual Hazards:							
Exposure (Inhalation, skin and eye contact ingestion)  Inhalation: Remove the victim from exposure to farea. Keep patient warm and quite. If breathing sto artificial respiration.  Eyes & Skin: Flush with plenty of water for 15 min Remove contaminated clothes.  Ingestion: Seek medical Aid immediately.						hing stops, start			

Revised on: 15.03.13 Revision : 02 Page 2 of 3



MSDS:1080

Spills Steps to be taken: Shut off leaks if without risk. Contain the leak. Absorb on sand. Remove all ignition source. Waste Disposal Method

Seal all waste in vapour tight plastic bag for eventual disposal

#### 9. ADDITIONAL INFORMATION

A suspected human carcinogen. Maximum concentration tolerate for several hours or for prolonged exposures with slight symptoms of 2000 ppm - 2500 ppm. Due to toxic effect it has been abandoned as an anesthetic. Concentration of 68000 ppm - 82000 ppm in air kill most of the animal in few minutes. 14000 ppm may cause death after an exposure of 30-40 minutes. Explosive reaction with Sodium + methanol, Sodium menthoxide + methanol.

10. SOURCES USED ICMA 1996

## 11. MANUFACTURER/SUPPLIER DATA

Chemplast Sanmar Limited, Plant-II,CC Division Firm/s Name:

> Raman Nagar Post Mettur Dam-3.

Chemplast Sanmar Limited, Plant-II,CC Division Mailing Address:

> Raman Nagar Post, Mettur Dam-636 403. Salem District.

04298-230381, 230382-230385 Telephone Number:

04298-230 394 Fax Number

Contact person S.Venkatesan

Chief Executive - Operations Chemplast Sanmar Limited,

Mettur Dam-636 403. Salem District

In emergency Telephone in

Transit area

04298-230 381- 230 385.

### 12. DISCLAIMER

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Revision: 02