	entral	Pollutio	on Con	trol BC	ard						
GTGD MATERIAL SAFETY DATA SHEETS											
606		Teti	raethyl lead								
1. CHEMICAL IDENTITY											
Chemical Name : Tetraethyl lead											
Chemical Classification: Toxic, Flammable Trade Name :											
Synonyms: ⊤	EL, Lead tetraeth	yl, Tetraethyl plu	umbane								
Formula :	C8H20Pb	C	<b>AS No:</b> 78-00-	2 <b>UN No:</b>	1649						
Regulated Identification											
Shipping Name : Tetraethyl Lead Hazchem Code : 2WE											
Codes / Label : Class 6.1, Toxic, Flammable Hazardous Waste ID No : 17											
HAZARDOUS	INGREDIENTS	C.A.S. No.	HAZARDOUS	INGREDIENTS	C.A.S. No.						
1 Tetraethy	llead	78-00-2	3								
2			4								
2. PHYSICAL	/ CHEMICAL DA	TA		_							
Boiling 20 Pt. °C: al as (c	00 deg C, Phy lso stated s 227.7 decompose	<b>/sical State:</b> Lic	quid A	ppearance: Co liqu	lourless oily iid						
Melting -1 Pt °C:	30 Vap @ 3	our Pressure( 5°C mmHg:  2	0.26 mm Hg @ 25 deg C	Odour: Plea	asant odour						
Vapour Density(Air =	8.6 S 1): w g	olubility in /ater at 30°C /100ml:	0.02 mg/100ml	<b>Others:</b> Solut petro gaso	ole in benzene, leum ether, line.						
Specific Grav	vity (Water =1 ):	1.653 @ 20 deg	С	рН :							
3. FIRE / EXPL	LOSION HAZAR	D DATA									
Flammability	: No	<b>LEL:</b> 1.8	Flash F	Point °C in OC:	85						
TDG Flammat	oility:	UEL:	Flash F	Point °C in CC:	93.5						
Autoignition Temperature °C : Decomposes > 110 Explosion sensitivity to impact: Stable Explosion sensitivity to static Electricity: Stable Hazardous Combustion Products : Combustion products are carbon dioxide, water, and lead. Hazardous Polymerization : Will not occur											
Combustible		Explosive Mat	erial: No	Corrosive Ma	terial No						
Flammable M	aterial: No	Oxidiser ·	No	Others:							
Pyrophoric Ma	aterial: No	Organic Perov	kide: No	UIIEI 3.							
4. REACTIVIT	Y DATA										
Chemical Stal	bility : Stable b	pelow 110 dea C	•								
Incompatibilit other material	y with : Strong	oxidisers, sulfury	rl chloride, KMn	<b>O</b> 4							
Reactivity Tetraethyl lead	: Can rea	act vigorously wit	h oxidising mate	erials.	Page 1 of 3						

Hazardous	:	: Exposure to air for several days may cause explosive decomposition,							
Reaction Pr	oducts	leading to poisonous Pb vapours.							
5. HEALTH HAZARD DATA									
Routes of entry: Innalation, Ingestion, Skin & Eyes.									
Effects of E	xposure /	Symptoms:		of obcome	tion from in	halatian ar aki			
may cause in	Increased urinary output of Lead. A large degree of absorption from inhalation or skin contact may cause insomnia, excitability, delirium, coma, death.								
Emergency	Treatmen	t :							
Inhalation:	Remove th	e victim to fres	h air area, a	apply anift	cial respira	tion and Oxyge	en, if needed		
Skin:	Remove contaminated clothing and wash exposed area thoroughly with soap and water. A physician should examine the area if irritation or pain persists.								
Eyes:	Flush with	plenty of water	for 15 min.						
Ingestion: Activated charcoal: administer charcoal as a slurry (240 ml water/30 g charcoal). Usual dose: 25 to 100 g in adults/adolescents.									
LD50 (oral-	rat) mg/kg	12.3 mg/kg		STEL:					
LC50 (rat) r	ng/kg:			Odour Th	reshold:				
Permissible Exposure L	e _imit:	0.075 mg/m3	3, skin	TLV (ACC	GIH) :	0.100 mg /m3 (	(skin)		
NFPA Haz	ard	Health	Flamma	bility R	eactivity	Special			
Signals		2	3		2	W			
6. PREVEN	TIVE MEAS	SURES							
Personal Pr Equipment	<b>Protective :</b> Avoid contact with liquid or vapour. Provide organic vapour type cannbter, face mask for short periods, an air-line mask for a longer period, Neoprenecoaled liquid proof hand gloves, body overclothing, side covered safety goggles I face shield, rubber shoes.								
Handling	:	: All chemicals should be considered hazardous. Avoid direct physical contact. Use appropriate, approved safety equipment. Untrained individuals should not handle this chemical or its container. Handling should occur in a chemical fume hood.							
Storage	:	: Keep in cool dry, well ventilated area away from oxidisers, sunlight. Do not allow to evaporate.							
Precautions	s :								
7. EMERGE	NCY / FIR	ST AID MEASU	JRES						
FIRE:									
Fire Extingu	uishing Me	edia: Dry chem	ical powde	r, CO2, fo	am and wa	ater.			
Special Pro	cedure	: Keep the flame.	containers	cool by s	praying wat	ter if exposed to	o heat or		
Unusual Ha	zards	: Poisonou	s gases are	e produce	d.				
EXPOSURE	: First Ai	id Measures:							
Inhalation:	Remove the needed	ne victim to fres	sh air area,	apply anif	tcial respira	ation and Oxyg	en, if		
Skin:	Remove contaminated clothing and wash exposed area thoroughly with soap and water. A physician should examine the area if irritation or pain persists.								
Eyes:	Flush with plenty of water for 15 min.								
Ingestion:	Activated charcoal: administer charcoal as a slurry (240 ml water/30 g charcoal). Usual dose: 25 to 100 g in adults/adolescents.								

# Antidotes / Dosages:

# SPILLS :

**Steps To Be Taken** : Shut off leaks if without risk. Contain the spillage on earth or sand.

Waste Disposal Method: Seal all the waste in vapour tight plastic bags for eventual disposal

# 8. ADDITIONAL INFORMATION / REFERENCES

An experimental carcinogen and teratogen, particularly toxic to CNS. Decomposes on exposure to sunlight or on evaporation to form triethyl lead which is also a poisonous compound. May cause lead exposure in toxication by coming in contact with the skin. A Gasoline additive to prevent 'knocking' in motors. This compound explodes if confined at higher temperatures. It is much more toxic compared to inorganic lead.

### 9. MANUFACTURERS / SUPPLIERS DATA

NAME OF FIRM : MAILING ADDRESS : TELEPHONE / TELEX NOS : TELEGRAPHIC ADDRESS : OTHERS :

Contact person in Emergency : Local Bodies involved : Standard Packing : Trem Card Details / Ref :

#### **10. DISCLAIMER**

Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the manufacturer/ seller to ensure that the information contained in the material safety data sheet is relevant to the product manufactured / handled or sold by him as the case may be. The Government makes no warranties expressed or implied in the respect of the adequacy of this document for any particular purpose.

End of document Total No. of Pages: 3