



LPG IMPORT TERMINAL
INDIANOIL PETRONAS PRIVATE LIMITED
MATERIAL SAFETY DATA SHEET – PROPANE

HEALTH	1
FLAMMABILITY	4
PHYSICAL	0


1.0	CHEMICAL IDENTITY			
	Chemical Name	propane	Chemical Classification	hydrocarbon
	Synonyms	Dimethylmethane	Trade Name	
	Formula	C ₃ H ₈	C.A.S. No.	74-98-6
	U.N. No.	1978	Shipping Name Codes/lable	
	Regulated Identification		Hazchem No.	2WE
	Hazardous Waste I.D. No.	-		
	Hazardous ingredients	2	C.S. Number	
	1.			
	2.			
	3.			
	4.			
2.0	PHYSICAL AND CHEMICAL DATA			
	Boiling Range / Point °C	- 42 c	Physical State	Compressed liquid gas
	Appearance	Colorless	Melting / Freezing Point °C	
	Vapour Pressure @ 35°C mm/Hg	2	Odour	Odourless
	Vapour Density (Air=1)	1.6	Specific Gravity (Water=1)	0.5
	Solubility in Water at 30°C others		pH	Not pertinent
3.0	FIRE AND EXPLOSION HAZARD DATA			
	Flammability YES NO	Yes	LEL%	2.1%
	Flash Point °C	- 156	Auto initiation Temperature °C	470
	TDG Flammability		UEL%	9.5%
	Flash Point °C		Explosion Sensitivity to Import	-

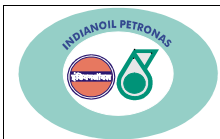


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	Explosion Sensitivity to Static Electricity	Nil	Hazardous Combustion Products	None in parameter
	Hazardous Polymerization Combustible Liquid	Does not occur	Explosive Material	No
	Corrosive Material	No	Flammable Material	yes
	Oxidizer	No	Others	Nil
	Pyrophoric Material	yes	Organic Peroxide	No
4.0	REACTIVITY DATA			
	Chemical Stability	Stability	Incompatibility with other Material	Oxidizers
	Reactivity	Explosive with violent reaction with CO_2 , exothermic	Hazardous Reaction Products	
5.0	HEALTH HAZARD DATA			
	Route of Entry	Inhalation	Effect of Exposure / Symptoms	Shortness of breath, head ache
	Effect of Exposure / Symptoms	Drowsiness	Emergency Treatment	Fresh air, rest, artificial respiration
	TLV ACGHI ppm mg/m^3	Ashyxiant	STEL ppm mg/m^3	-
	Permissible Exposure Limits LD_{50} ppm mg/m^3	-	Odour Threshold LD_{50} ppm mg/m^3	-
	NEPA Hazard Signals	-	health	
	Flammability	4	Stability Special	-
6.0	PREVENT MEASURES			

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	Personnel Protective Equipment	Low temperature gloves and suiting shall be provided.	Handling and Storage Precautions		
7.0	EMERGENCY AND FIRST AID MEASURE				
	Fire Extinguishing Media (FIRE)	DCP, water	Special Procedures	Stop flow gas/Keep cooling	
	Unusual Hazards (EXPLOSURE)	Flash back along vapour	First Aid Measures		
	Antidotes / Dosages (SPILLS)	-	Steps to be taken	Shut off leaks if without risk warn everybody that air.	
	Waste Disposal Method	Allow the gas to burn under control			
8.0	ADDITIONAL INFORMATION / REFERENCE				
9.0	MANUFACTURER / SUPPLIER DATA				
	Name of Firm	Indianoil petronas pvt ltd.	Mailing Address		
	Telephone / Telex No.	04464553340	Telegraphic Address	Indianoil petronas pvt ltd. 143, Athipattu Village, NCTPS Main Road, Chennai 120	
	Contact Person in Emergency	DGM Terminal	Local Bodies Involved		
	Standard Packing		Trem Card Details / Ref Other	Term card shall be made available.	
10.0	DISCLAIMER				



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