



MEENA GAS

MATERIAL SAFETY DATA SHEET

1	CHEMICAL IDENTITY				
	Chemical name : Liquefied Petroleum Gas	Chemical classification : Fuel			
	Synonyms : Bottled gas	Trade name : Cooking gas			
	Formula : Mixture of Propane & Butane	C.A.S. No. : 68476-85-7	U.N. No. : 1075		
	Regulated identification	Shipping name : Petroleum gases. Liquefied	Hazchem No. : 2 WE		
	Codes/labels : 223/Class 2, Flammable gas	Hazardous : 5			
	Hazardous ingredients	C.A.S. No.	Hazardous ingredients	C.A.S. No.	
	1. Propane (C ₃ H ₈)	74-98-6	2. Butane (C ₄ H ₁₀)	106-97-8	
2	PHYSICAL & CHEMICAL DATA				
	Boiling range : -42°C to 2°C	Physical state : Gas @ 15°C & 1 atm.	Appearance : Colourless		
		Vapor : 120 psi @ 38°C	Odour : Ethyl		
		Pressure @ 35°C	Mercaptan added for Odour Warning		
	Melting/ : -47°C				
	Freezing point				
	Vapor density : 1.8 (Air = 1)	Solubility in : immiscible, liquid water at 30°C	Others : Soluble in organic solvents And Alcohol		
		floats and boils on Water			
	Specific Gravity : 0.562 gm/l @ 15°C (Water = 1)	pH : Not pertinent			
3	FIRE AND EXPLOSION HAZARD DATA				
	Flammability : Yes	LEL : 1.5%	Flash point : -104.4°C to 60°C	(CC)	
	TDG : 2	UEL : 9.5%	Flash point : Data not available	(OC)	
	Autoignition temperature	:	405°C		
	Explosion sensitivity to impact	:	May explode		
	Explosion sensitivity to static electricity	:	May explode		
	Hazardous combustion products	:	Emits CO and CO ₂		
	Hazardous polymerization	:	Does not occur		
	Combustible Liquid	: No	Explosive material	: No	Corrosive material
	Flammable Material	: Yes	Oxidiser	: No	Others
Pyrophoric Material	: No	Organic peroxide	: No		



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4	<p>REACTIVITY DATA</p> <p>Chemical stability : Chemically stable</p> <p>Incompatibility with other material : Incompatible with strong oxidisers</p> <p>Reactivity : Does not react with common materials but may react with Oxidising agents</p> <p>Hazardous reaction products : Data not available</p>
5	<p>HEALTH HAZARD DATA</p> <p>Routes of entry : Inhalation and dermal absorption (skin)</p> <p>Effects of exposure / symptoms : Inhalation : Olefinic impurities may lend A narcotic effect. High Concentration causes Asphyxia</p> <p style="padding-left: 150px;">Skin : Contact with liquid causes Cold burns</p> <p>Emergency treatment : Inhalation : If inhaled, remove the victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call physician</p> <p style="padding-left: 150px;">Skin : Remove wet clothing. Wash the affected area With plenty of water. Cover The affected area with clean Cloth/bandage. Keep the Patient warm</p> <p style="padding-left: 150px;">Eye : Flush with plenty of water. Seek medical help</p> <p>(ACGIH) : 1000 ppm 1800 mg/m³ STEL : Not listed</p> <p>Permissible : 1000 ppm 1800 mg/m³ Odor : 5000-20000 ppm threshold 15000-60000 mg/m³</p> <p>Exposure limit LD50 : Not listed LD50 : Not listed</p> <p>NFPA hazard signals Health : 1 Flammability : 4 Reactivity : 0 Special : Nil</p>
6	<p>PREVENTIVE MEASURES</p> <p>Personnel protective equipment : Use full protective clothing with breathing apparatus set.</p> <p>Handling and storage precautions : Do not touch the product with bare hands. Use proper hand gloves. Do not inhale the product. Stand upwind while sampling / handling the product in a cool, well ventilated area and away from the source of ignition.</p>



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7	EMERGENCY AND FIRST AID MEASURES		
Fire	Fire extinguishing media	:	CO2, DCP and water spray
	Special procedures	:	If fuel supply, feeding fire cannot be stopped, allow the gas To burn under controlled conditions. Keep the container cool by spraying water if exposed to Heat or fire. Fight fire from upwind direction. Apply water on vapor space of the container
	Unusual hazards	:	Never stand in the exis of bullets. Heavy leakage of liquid can impair visibility LPG fire can cause severe burn injuries Leaking gas may travel long distances till it meets, an Ignition source and flashback or cause vapor cloud Explosion
EXPOSURE		First aid measures	: A/a Antidotes/dosages : Not available
SPILLS		Steps to be taken	: Eliminate all ignition sources. Arrest leaks if Possible and safe or remove leaky container to Isolate place. Ventilate the area. Disperse/dilute The leaking product with water spray.
	Waste disposal method	:	Allow gas to burn under control.
8	ADDITIONAL INFORMATION / REFERENCES:		
Do not store with oxidisers Gas free the containers before undertaking repairs Electrical equipment in the storage area should be flame-proof type All equipment, pipelines should be properly earthed / bounded Naked flame / smoking strictly prohibited Periodical inspectional testing recommended Laid down safe operating practices should be strictly observed			
9	MANUFACTURERS / SUPPLIES DATA		
Name of firm	:	Contact Person	+91 9442335959
Mailing address	:	In emergency	+91 9442335959
Telephone / fax numbers:		Local bodies involved	Ref TREM Card
Telegraphic Address:		Local bodies involved	
		Standard Packing	
		TREM card details/	
		Ref Others	



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10	<p>DISCLAIMER</p> <p>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 I.C.M.A makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.</p>
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