SAFETY DATA SHEET

1. CHEMICAL IDENTITY Chemical Name <i>LIQUEFIED PETROLEUM</i> Synonyms <i>LPG</i> , <i>Propane</i> , <i>Butane</i> , <i>Propyler</i>			Elassification <i>Hydrocarbo</i> e	on gases (mixti
Formula C_3H_6 - C_3H_6 - C_3H_6 (Mixture)	: C. :	A. S. No. 6847	76-85-7 : U. N. No. :	1992
Regulated Identification	: Shipping Name : Pe : Codes / Label : Fla : Hazardous Waste I.I	ummable, class 2	<i>iquefied</i> Hazchem C :	Code 2 W
HAZARDOUS INGREDIENTS	: C. A. S. No. :	HAZARDO	US INGREDIENTS :	C. A. S
1 Propane	74-98-6	3	Propylene	115-07-
2 Butane	106-97-8	4		
2. PHYSICAL / CHEMICAL DATA Boiling Pt. / Range $-20 \text{ to } -40$ ° CMeeting / Freezing Pt $-160 (appr)$ ° CVapour Density $1.5 - 1.8$ (Air = 1)(Air = 1) 1.8 Specific GravityOutput $0.51 - 0.58$ (Water = 1)	: Vapour Pressure		: Odour Merca : wa : Others Sol	
3. FIRE / EXPLOSION HAZARD DAT	`A			
FlammabilityYesTDG Flammability2	: LEL 1.9 % : UEL 9.5 %	: Flash Point : Flash Point	° C Not available ° C 104.4 (propane), 60 (But	(OC) tane) (CC)
Autoignition Temperature ^o C Explosion sensitivity to impact Explosion sensitivity to static Electricity Hazardous Combustion Products Hazardous Polymerization	 : 466.1 Propane, 40 : May explode. : May explode : Emits CO, CO₂ : Will not occur 	5 Butane		
Combustible Liquid Yes	: Explosive materia		: Corrosive	Material
Flammable MaterialYesPyrophoric MaterialNo	: Oxidiser : Organic peroxide	No No	: Others :	
4. REACTIVITY DATA Chemical Stability : Stabl				
Reactivity : No reaction with co	mmon materials but mo	ay react with oxidi	sing materials.	
: Hazardous : <i>Not available</i>				

5. HEALTH HAZARD DATA

Routes of entry	:	Inhalation, Skin
	:	
Effects of	:	Concentration in air greater than 10% causes dizziness in few minutes. 1% cone. Give the same :
Exposure/	:	symptoms in 10 mts. High concentration causes asphyxiation. Liquid on skin causes frostbite
Symptoms	:	
	:	
Emergency	:	If inhaled, remove the victim to fresh air area. Provide artificial resusciution skin: Remove the
Treatment	:	wetted clothes and wash the affected area with planty of water, Eyes: Flush with plenty of water
		For 15 mins. Seek medical aid.

LD ₅₀ (oral-rat) <i>Permissible Exposure Limit</i> TLV (ACGIH)	Not listed <i>Not listed</i> 1000	mg/kg ppm <i>Not listed</i> mg/m ppm 1800 mg/m ³	: Odour Threshold 5000 to pp	m <i>not listed</i> mg/m ³ m - mg/m ³
NFPA Hazard		: Health	: Flammability : Reactivity	: Special
Signals		: <i>1</i>	: 4 : 0	: _

6. **PREVENTIVE MEASURES**

Personal: Avoid contact with liquid or gasProtective: Provide hand gloves, safety goggles, gas mask, protective overclothing and shoes.Equipment:

7.	EMERGENO	CY / FIRST AID MEASURES			
	FIRE	: Fire Extinguishing	: CO ₂ Dry chemical powder, water spray		
		: Media	:		
		: Special Procedure	: Keep the containers cool by spraying water if exposed to fire of heat		
		: Unusual Hazards	: otherwise containers will explode in fire		
	EXPOSURE	: First Aid Measures	: If inhaled, remove the victim to open air area and artificial resuscitation may be provided if required . If skin is affected with the liquid, remove the clothing and wash the affected area		
		· :	with plenty of water. Seek immediate medical aid.		
		: Antidotes / Dosages :	: Not available		
	SPILLS	: Steps To Be Taken	: Shut off leaks if without risk warn everybody that air mixture : is explosive.		
		: Waste Disposal Method	: Allow gas to burn under control .		

8. ADDITIONAL INFORMATION / REFERENCES

Avoid contact with oxidisers. Olefinic impurities may lead to narcotic effect. The gas is a simple asphyxiant. A very dangerous hazard when exposed to heat or flame. If fire is big, keep surrounding areas cool by spraying water.

9. MANUFACTURERS / SUPPLIERS DATA

NAME OF FIRM	Contact Person	
MAILING ADDRESS	in Emergeney	
TELEPHONE / TELEX NOS		
TELEGRAPHIC ADDRESS	Local Bodies involved	
	Standard Packing	
	Trem Card Details / Ref.	

9. DISCLAIMER

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