



MATERIAL SAFETY DATA SHEET

1. CHEMICAL IDENTITY		
CHEMICAL NAME : Propane		
CHEMICAL CLASSIFICATION: Dimethyl methane, propyl hydride		
SYNONYMES : Dimethyl methane, LP-Gas, Liquefied petroleum gas (LPG)		
TRADE NAME: Propane		
FORMULA: C ₃ H ₈	C.A.S. NO. 74-98-6	
U.N. NO: 1978	HAZCHEM CODE: 2WE	
REGULATED IDENTIFICATION : NA		
SHIPPING NAME CODES/ LABEL : Propane		
HAZARDOUS WASTE I.D. NO. : NA		
HAZARDOUS INGREDIENTS :		C.A.S. No. :
1. Propane		74-98-6
2. PHYSICAL AND CHEMICAL DATA		
BOILING POINT (°C): -42	PHYSICL STATE: Gas	APPEARANCE: Colorless
MELTING / FREEZING POINT(°C): -186	VAPOUR PRESSURE @ 35 °C mm/Hg 6840mmHg@20deg C	Odor: Odorless compressed liquid gas.
VAPOUR DENSITY (AIR= 1): 1.6	SOLUBILITY IN H ₂ O @ 30 °C :65-ml/100mlwater at 35DgC	
SPECIFIC GRAVITY (H2O=1): 0.5	PH: NA	
3. FIRE AND EXPLOSION HAZARD DATA		
FLAMMABILITY: Flammable liquid gas under pressure.	LEL : 2.2 %	UEL : 9.5 %
TDG FLAMMABILITY: NA	FLASH POINT (°C): -156	AUTO IGNITION TEMP(°C): 470
EXPLOSION	EXPLOSION	HAZARDOUS



MSDS: PROPANE

SENSITIVITY TO IMPACT: NA		SENSITIVITY TO STATIC ELECTRICITY: NA		COMBUSTION PRODUCTS: None known.	
HAZARDOUS POLIMERISATION : Will not occur		EXPLOSIVE MATERIAL: Explosive mixture with air		CORROSSIVE MATERIAL: NA	
FLAMMABLE MATERIAL: NA		OXIDISER : NA		OTHERS: NA	
PYROPHORIC : No			ORGANIC PEROXIDE: NA		
4. REACTIVITY DATA					
CHEMICAL STABILITY : Stable					
INCOMPATABILITY WITH OTHER MATERIAL: Oxidizers.					
REACTIVITY:					
HAZARDOUS REACTION PRODUCTS : None in particular.					
5. HEALTH HAZARD DATA					
ROUTES OF ENTRY:					
EFFECTS OF EXPOSURE / SYMPTOMS:					
EMERGENCY TREATMENT: Flush eyes and skin with plenty of water and get medical aid.					
TLV (ACGIH) : PPM mg/m3			STEL : none PPM mg/m3		
PERMISSIBLE EXPOSURE LIMITS LD 50: none PPM mg/m3			ODOUR THRESHOLD LD50 : none PPM mg/m3		
NFPA HAZARD RATING	HEALTH: 1	FLAMABILITY : Flammable	STABILITY: Stable	SPECIAL: NA	
6. PREVENTIVE MEASURES					
PERSONAL PROTECTIVE EQUIPMENTS: Provide self-contained breathing apparatus.					
HANDLING AND STORAGE PRECAUTION: Keep in a cool dry , well- ventilated					



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MSDS: PROPANE

area, away from heat, flame or oxidizers.

7. EMERGENCY AND FIRST- AID MESURES

FIRE	FIRE EXTINGUISHING MEDIA: Stop flow gas foam , carbon dioxide, dry chemical powder.
	SPECIAL PROCEDURE: Stop the flow of gas and keep the containers cool by spraying water if exposed to heat or flame.
	UNUSUAL HAZARDS: Flash back along vapor trail may occur.
EXPOSURE	FIRST AID MEASURES: Eye : Flush eye with plenty of water for at least 30 minutes Skin: Get medical aid , Flush skin with plenty of water for at least 30 minutes Ingestion: If swallowed get medical aid. Inhalation: Remove from exposure and move to fresh air immediately
	ANTIDOTES / DOSAGES: NA
SPILLS	STEPS TO BE TAKEN: Shut off leaks if without risk. Warn everybody that air mixture is explosive.
	WASTE DISPOSAL METHOD: Allow the gas to burn under control.