

HILLSBORO ELEMENTARY SCHOOLS215 S.E. 5th Ave.
HILLSBORO, OR 97123MATERIAL SAFETY DATA SHEET CM 0085MANUFACTURER: Horiba Instruments, Inc.
1021 Duryea Avenue
Irvine, CA 92714EMERGENCY TELEPHONE NO:
(714) 250-4811
1-(800)-424-9300 Chemtrec-----
SECTION I. MATERIAL IDENTIFICATIONCommon/Trade Name: Propane
Chemical Name: Propane, carbon monoxide in nitrogen
Chemical Family: Flamable, reducing gas in non-flammable mixture.

SECTION II. HAZARDOUS INGREDIENTS

Ingredients:	%	TLV Units
Carbon Monoxide	10	50 ppm
Nitrogen	Not given	Not given
Propane	Not given	Not given

SECTION III. PHYSICAL DATA

Boiling Point (°F):	N/A	Specific Gravity (Water=1):	N/A
Vapor Pressure (mm Hg):	N/A	Percent Volatile (By volume):	N/A
Vapor Density (Air=1):	0.759		
Solubility in Water:	Not given	Evaporation Rate (Bu.Ac. = 1):	Not Given
Appearance and Odor:	Not given		

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A
Extinguishing Media: Use what is appropriate for surrounding fire
Special Fire Fighting Procedures: Keep fire exposed cylinders cool with water spray as contents are under pressure.
Unusual Fire and Explosion Hazards: Do not expose to heat or flames.

SECTION V. HEALTH HAZARD DATA

Threshold Limit Value: 50 ppm for carbon monoxide exposure
Effects of Overexposure: Carbon monoxide causes oxygen starvation of body cells. Symptoms include headache, mental dullness, dizziness and possible collapse and death.
Eyes: Not given
Skin: Not given
Breathing: Remove victim immediately from area of exposure. Restore breathing if necessary and administer oxygen. Get immediate medical attention.
Swallowing: Not given
Emergency and First Aid Procedures:

Emergency and First Aid Procedures: Remove victim immediately from area of exposure. Restore breathing if necessary and administer oxygen. Get immediate medical attention.

Eyes: Not given

Skin: Not given

Breathing: Not given

Swallowing: Not given

SECTION VI. REACTIVITY DATA

Stability: Stable

Conditions To Avoid: Not given

Incompatible With: Nitrogen reacts with Li, Nd and T at high temperatures.

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

Conditions To Avoid: Not given

SECTION VII. SPILL OR LEAK PROCEDURES

Procedures In Case of Spill or Leak: Ventilate area. Remove leaking cylinder to exhaust hood in safe outdoors area. Eliminate sources of ignition.

Waste Disposal: Allow gas to discharge at a slow rate. Waste CO can be piped to an approved incinerator to burn CO to CO₂ under controlled conditions.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Type of Respiratory Protection: Self-contained breathing apparatus.

Ventilation: Local exhaust recommended. Explosion proof.

Protective Gloves: Not given

Eye Protection: Wear safety glasses

Other Protective Equipment: Not given

SECTION IX. SPECIAL PRECAUTIONS

Handling/Storage Precautions: Store cylinders in a well ventilated area.

Other Precautions: Not given

DATE OF PREPARATION: Not given