

Material Safety Data Sheet

(These data are prepared for product supplied in DOT 39 nonreusable cylinders.)

(Illeze dara are brebare		
•	PRODUCT MAME 10 PPM-2.5% Methane in Air TELEPHONE (510) 977-8500 EMERGENCY RESPONSE BIFORMATION ON PAGE 2	74.00.01
LIGHT AIR CORPORATION	TRADE NAME AND STHONYMS 10 PPM-2.5% Methane in Air	CAS MIMBER CH4 = 74-82-8 A1r = N/A
Californie Plaza, Suliu 350 223 N. Californie Blvd. Wahrut Creek, California \$46\$\$	CHEMICAL HAME AND STHORTMS	0 0 0
CARRIED PLATE JAMESARY 1, 1982	FORMERA WEIGHT Sée Page 4 See Page 4	Gas Mixture
	AND THE PARTY OF THE	

HEALTH HAZARD DATA

HEALTH HAZARD DATA						
The components in t	hese mixtures are	nontoxic a	nd no TWA is	listed fo	or them by	
ACGIH (1991-1992) o	r OSHA (1989).	1.11 to 1.01				
SYMPTOMS OF EXPOSURE		•	•			
				_	_	
These mixtures show	14 he considered	similar to	air ând woul	d therefor	re cause no	
nese mix cures show	2.					
symptoms of exposul	,	1				
		3			0.2	
INCOLOGICAL PROPERTIES		acartes:				
20 Cent 22		- 100	. 9 %			
See Symptoms of E	osure, above.					
8/22.5458		A A A A A A A A A A A A A A A A A A A	NTD or by 05	HA as a ca	arcinogen or	
Neither methane or	air are listed in	the TARL,	MIP OF DY 03		-	
potential carcinoge	n. 🔑					
-	***					
	• 2000	100				
istéd as Carcinogén	National Toxicology	Yes 🛄	LARC.	Yes 🖸 No 🔃	OSHA Yes No	노
r Poténtial Carcinogén	Program	No 🔯	Monographs	No 🗵		
ECOMMENDED FIRST AND TREATS	ENT.			 -		
	1					
	×.					
Pas Pilinkana af Eve	neuro, above.			•		
See Symptoms of Exp						
	':					
		E YELL		•		
		- 1				

Audgements as to the surtability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information. Liquid Air Composition extends no wateranties, makes no representations, and assumed no responsibility as to the accuracy or suitability of such information for application to purchaser's information. Under the such as the

-1	RES OF OTHER LIQUID	SOLEDS OR GASES		1.34		
HAZARDOUS MIXTU	NES OF OTHER DOORS	A SOCIAL ON STATE				
		•	82			
		No	ne -		250	
				376		
		PHYSICA	L DATA			
BORDIG POUT (1 ₄ = -258.6		בוסטום סבו	CSITY AT BOIL	NG POINT	
A	r = -317.9		See Pa		1513 (1 107 1 200 kg	/m ³)
VAPOR PRESENTE	ee Page 4		.0741-	.0749 lb	/ft ³ (1.187-1.200 kg/ = -296.5°F (-182.5	5°C)
SCLUBILITY IN WAT	erv «lightly			Air	is a mixture	9
APPENDANCE AND	mook	Specific Gravity	(Air=1) @ 70°F	(21.1°C) = 0.99-1.0)
Coloriezz,	nani iesa das	FIRE AND EXPLOSI	ON HAZ	ARD DAT	A	
PLASH POURT (MET)	ICD USED)	AUTO IGNETION TEMPERATURE		FLAMMARIE	EMITS W BY VOLUME R/A	
N/A		N/A			PLECTHICAL CLASSIFICATION Nonhazardous	
EXTINGUISHING ME	MOILL LET	mmable gas mixtures			Monnazardous	
SPECIAL FIRE FIGH	TING PROCEDURES	a	105	ste or k	een cool with water s	pray.
If cylinder	rs are involv	ed in a fire, sate!	y reloc		eep cool with water s	
UNUFUAL FIRE AND	EXPLOSION HAZARDS		• 4-	the brown	ing of materials to a	
These mixt	ures at high	pressures will acce burn at atmospheric	lerate pressu	re.	ing of materials to a	
greater ra	ce than they					
		REACTIV	TY DAT	<u> </u>		
STABLUTY Userable		CONDITIONS TO AVOID				
disti		N/A				
BICOMPATRICITY (A Materials to seed()					
MATAROOUS DECO	MPORTION PRODUCTS	None				
		Hone CONOTIONS TO AVOID				
HAZARDOUS POLT May Occur						
wil feet Const	X	N/A				
·	^_	SPILL OR LEAD	 (PROCE	DURES		
67876 TO 88 TASS	M IN CASE MATERIAL !	RELEASED OR SPILLED				
		' <u>'</u> .	/A			
		10 114				
WASTE DISPOSAL	METHOD					
		N,	/A			

10 PPM-2.5% Methane in

SPECIAL PROTECTION INFORMATION

RESPURATORY PROTECTION (Specify	N/A	
YENTILATION	LOCAL EXHAUST N/A	SPECIAL N/A
N/A	MECHANICAL (Gorl) N/A	OTHER N/A
PROTECTIVE GLOVES	Any material	³ 4.
EYE PROTECTION	Safety goggles or glass	ses .
OTHER PROTECTIVE EQUIPMENT	Safety shoes	

SPECIAL PRECAUTIONS*

SPECIAL LABELING INFORMATION DOT Shipping Name:

Compressed Gases, N.O.S. Nonflammable Gas

DOTHazard Class: Division 2.2 DOT I.D. No.:

UN 1956

DOT Shipping Label: SPECIAL HANGLING RECOMMENDATIONS

Use a pressure reducing regulator when connecting cylinder to lower pressure (<500 psig) piping or systems. Do not heat cylinder by any means to increase the discharge rate of product from the cylinder. Use a check valve or trap in the discharge line to prevent hazardous back flow into the cylinder. Close valve after each use and when empty.

For additional handling recommendations consult L'Air Liquide's Encyclopedia de Ĝaz or Compressed Gas Association Pamphiet P-1,

SPECIAL STORAGE RECOMMENDATIONS

Protect cylinders from physical damage. Store in cool, dry, well ventialted area away from heavily trafficked areas and emergency exits. Do not allow the temperature where cylinders are stored to exceed 125F (52C). Full and empty cylinders should be segregated. Use a "first in - first out" inventory system to prevent full cylinders being stored for excessive periods of time.

For additional storage recommendations consult L'Air Liquide's Encyclopedia de Gaz or Compressed Gas Association Pamphlet P-1.

SPECIAL PACKAGING RECOMMENDATIONS

These mixtures are noncorrosive and may be used with all materials of construction. Moisture causes metal oxides which are formed with air to be hydrated so that they increase in volume and lose their protective role (rust formation). Concentrations of SO2, Cl2, salt, etc. in the moisture enhances the rusting of metals in air.

OTHER RECOMMENSATIONS OR PRECAUTIONS

DOT 39 cylinders may not be reused or refilled (49CFR).

NEVER transport these cylinders in trunks of vehicles, enclosed vans, truck cabs or in passenger compartments. Transport them "contained" in open flatbed or open pickup type vehicles.

Reporting under SARA, Title III, Section 313 not required.



ADDITIONAL DATA

CHEMICAL NAME AND SYNONYMS: 10 Molar PPM-2.5 Molar & Hethane in Air

FURNILLA: 10 Hotar PPH-2.5 Motar % CH4 fn Atr

MOLECULAR WEIGHT: CH4 = 16.04 A1r = 28.96

PHYSICAL DATA

LIQUID DENSITY AT BOILING POINT: $CH_4 = 26.38 \text{ lb/ft}^3$ (422.6 kg/m³) A1r = 54.6 lb/ft³) (874 kg/m³)

1.3

VAPOR PRESSURE: @ 70°F (21.1°C) = Above the critical temperature of methane.

Air is a mixture.