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AND ACTION OF STATE PROTECTION INFORMATION

BY PROTECTION (specify type): Not required

	·	 		
	LOCAL EXHAUST—Not applicable.		÷ , * *	
	MECHANICAL (general)—Adequate	 <u></u>		
	MECHANICAL INSINITY	2		
Н	SPECIAL: Not Applicable			
	OTHER - Not Applicable			
E G	LOVES: Preferred for cylinder handling.			

ECTION Select in accordance with OSHA 29 CFR 1910.133

10TECTIVE EQUIPMENT Metatarsal shoes for cylinder handling. Select in accordance with OSHA 29 CFR 1910.132

IX. SPECIAL PRECAUTIONS

.: High pressure gas. May accelerate combustion. Keep oil and grease away. Close valve when not in use and when empty. and equipment adequately designed to withstand pressures to be encountered.

S: When two or more gases, or liquelied gases are mixed, their hazardous properties may combine to create additional, id hazards. Obtain and evaluate the safety information for each component before you produce the mixture. Consult an Hygienist, or other trained person when you make your safety evaluation of the end product. Remember, gases and liquids letties which can cause serious injury or death.

) read and understand all labels and other instructions supplied with all containers of this product.

I for use in underwater breathing is to be determined by or under the supervision of personnel experienced in the use of er breathing gas mixtures and familiar with the effect, methods, frequency and duration of use, hazards, side effects, and ins to be taken.

/ information on general handling of compressed gas cylinders, obtain a copy of pamphlet P-1, "Sale Handling of Compressed Containers" from the Compressed Gas Association, Inc., 1235 Jefferson Davis Highway, Arlington, VA 22202.

HANDLING AND STORAGE CONDITIONS: Never work on a pressurized system. If there is a leak, close the cylinder valve, vn the system by venting to a sale place, then repair the leak. Store and use away from flammable materials. Never lubricate s, regulators, etc. with any combustible substance.

ions expressed herein are those of qualified experts within Union Carbide Industrial Gases Inc. We believe that the information d herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions conditions of use of the product are not within the control of Union Carbide Industrial Gases, Inc. it is the user's obligation nine the conditions of safe use of the product

UNION CARBIDE INDUSTRIAL GASES, INC. LINDE DIVISION

USA 39 Old Ridgebury Rd noury, CT úda17 údû1

IN CANADA: 123 Eglinton Avenue East Toronto, Ontario M4P IJ3

Other offices in principal cities all over the world.

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MATERIAL SAFETY DATA SHEET

An explanation of the terms used herein may be found in OSHA 29 CFR 1910 1200. available from OSHA regional or area offices.

ntially similar to U.S. Department of Labor Form OMS No. 1216-0073 and generally accepted in Canada for info Do Not Duplicate This Form, Request an Original.



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PRODUCTIDENTIFICATION

PRODUCT	Air		
CHEMICAL		SYNONYMS	Synthetic air, reconstituted air compressed air, medical air, USP
FORMULA	-41140	CHEMICAL FAMILY	Not Applicable
		MOLECULAR WEIGHT	Not Applicable

TRADE NAME AN CHAZARDOUS INGREDIENTS

For mixtures of this product request the respective component Material Safety Data Sheets. See Section IX.

MATERIAL (CAS NO.)	Wt (%)	1990-1991 ACGIH TLV-TWA (OSHA-PEL)
Air: Oxygen (7782-44-7) Nitrogen (7727-37-9)	21 79	None currently established (None currently established Simple asphyxiant (None currently established For compressed air the oxygen concentration range is 19.5% to 23.5%

BOILING POINT, 760 mm. Hg	_194.3 ² C(-317.8 ² F)	FREEZING POINT	-216.2 to -191.3 °C (-357.2 to -312.4 °F)
	Gas	VAPOR PRESSURE AT 20 °C.	Gas
SPECIFIC GRAVITY (H2O = 1)	Gas		
VAPOR DENSITY (air = 1)	1.00	SOLUBILITY IN WATER, 46 by wt.	Negligible
PERCENT VOLATILES BY VOLUME	100	EVAPORATION RATE (Butyl Acetate = 1)	Not Applicable

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IN CASE OF EMERGENCIES involving this material, further information is available at all times: In Canada 514-640-6400

In the USA 1-800-UCC-HELP (1-800-822-4357) For routine information contact your local supplier

Union Carbide Industrial Gases, Inc. requests the users of this product to study this Material Safety Data Sheet (MSDS) and become

aware of product hazards and safety information. To promote safe use of this product a user should (1) notify its employees, agents and contractors of the information on this MSDS and any product hazards and safety information, (2) furnish this same information to each of its customers for the product, and (3) request such customers to notify their employees and customers for the product of the same product hazards and safety information.

UNION CARBIDE INDUSTRIAL GASES, INC.

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LINDE DIVISION



PRODUCT: Air

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THRESHOLD LIMIT VALUE See Section II.

EFFECTS OF SINGLE (ACUTE) OR REPEATED (CHRONIC) OVEREXPOSURE: None expected.

EMERGENCY AND FIRST-AID PROCEDURES: No emergency care anticipated.

PRODUCT: A

Air

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FLASH POINT (test method)	Not Applicable	AUTOIGNITION TEMPERATURE	Not Applicable
FLAMMABLE LIMITS LOWER Not Applicable		UPPER	Not Applicable
EXTINGUISHING MEDIA	A		

SPECIAL FIRE FIGHTING PROCEDURES

Evacuate all personnel from danger area. Immediately cool containers with water spray from maximum distance until cool then mov containers away from fire area if without risk, Shut off leak if without risk.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Oxidizing agent, may accelerate combustion. Contact with flammable materials may cause fire or explosion. Container may ruptur due to heat of fire. No part of a container should be subjected to a temperature higher than 52°C (approximately 125°F). Most container are provided with a pressure-refiel device designed to vent contents when they are exposed to elevated temperatures.

Administration of the second state of the REACTIVITY DATA of the production of the second second second second

STABIL	.ITY	CONDITIONS	TO AVOID:	See Section	on i)
UNSTABLE	STABLE				
	Х				

INCOMPATIBILITY (materials to avoid): Flammable and combustible materials.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

HAZARDOUS F	OLYMERIZATION	CONDITIONS TO AVOID:
May Occur	Will not Occur	None currently known
	x	

文本是是是一个工作的,但是是一个工作的,LEAK PROCEDURES 的是一个工作的。

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Shut off cylinder, if without risk.

WASTE DISPOSAL METHOD:

Slowly release into atmosphere. Discard any product, residue, disposable container or liner in an environmentally accepable manne in full compliance with Federal, state and local regulations.