

Form Approved
Budget Bureau No. 44-R1387
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U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

SECTION I

EMERGENCY TELEPHONE NO.

MANUFACTURER'S NAME
Liquid Carbonic Corp.

ADDRESS (Number, Street, City, State, and ZIP Code)

CHEMICAL NAME AND SYNONYMS
Carbon Dioxide, Gaseous

TRADE NAME AND SYNONYMS
Carbonic Acid Gas

CHEMICAL FAMILY
Carbon Compounds

FORMULA
CO₂

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	0		BASE METAL	0	
CATALYST	0		ALLOYS	0	
VEHICLE	0		METALLIC COATINGS	0	
SOLVENTS	0		FILLER METAL PLUS COATING OR CORE FLUX	0	
ADDITIVES	0		OTHERS	0	
OTHERS	0				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	not applicable	SPECIFIC GRAVITY (H ₂ O=1)	Not applicable
VAPOR PRESSURE (mm Hg.) at 87.8°F	54,683	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1) at 32°F	1.5290	EVAPORATION RATE (=1)	Not applicable
SOLUBILITY IN WATER at 32°F	180cc/100g H ₂ O	(see section VII)	
APPEARANCE AND ODOR	Colorless Gas. Slight Pungent Odor		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
		None	
EXTINGUISHING MEDIA	Not applicable		
SPECIAL FIRE FIGHTING PROCEDURES	Not applicable		
UNUSUAL FIRE AND EXPLOSION HAZARDS			

REQUISITION REQUEST

TO BE PURCHASED FROM:

DATE:

Name of Company:

Street and Number:

City and State:

Quantity	Stock Number	Item Description	\$ Each	Total \$
TOTAL AMOUNT				

From what source are you quoting the price: _____

Is this a capital item ____ If so, answer the following:

What is your estimate of the life of the item: _____

Is it a replacement or an additional item: _____

If replacement, give disposition of replaced item: _____

Explanation of need:

REQUESTOR: _____

SSEC PROJECT # _____

AUTHORIZED BY: _____

AUTHORIZED TO WALK THROUGH _____

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Gas - 0.5% (U. S. D. A. limit)

EFFECTS OF OVEREXPOSURE At 2 to 3%, symptoms of simple asphyxia occur.

EMERGENCY AND FIRST AID PROCEDURES Remove from exposure. Recovery is rapid.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid) None

HAZARDOUS DECOMPOSITION PRODUCTS None (CO₂ gas is a simple asphyxiant)

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR.	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Ventilate area

WASTE DISPOSAL METHOD Blow to atmosphere

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) None

VENTILATION	LOCAL EXHAUST	X	SPECIAL
	MECHANICAL (General)		OTHER

PROTECTIVE GLOVES NO EYE PROTECTION NO

OTHER PROTECTIVE EQUIPMENT

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Do not treat cylinders roughly. Do not store cylinders at high temperatures. (over 120°F)

OTHER PRECAUTIONS

RECEIVED
APR 22 PM 11 48

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