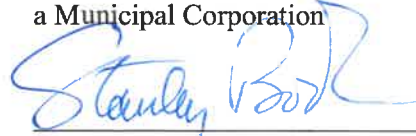


Contract: CL23-015 Liquid Oxygen  
Vendor(s): Matheson Tri-Gas, Inc.

### CITY APPROVAL

Acceptance and entry into this agreement by and on behalf of the City of Lawton is made this 11<sup>th</sup> day of April, 2023.

The City of Lawton, Oklahoma  
a Municipal Corporation



Stanley Booker, Mayor

ATTEST:

  
Traci Hushbeck, City Clerk

### LEGAL REVIEW

APPROVED, as to form and legality on behalf of the City of Lawton on the 11  
day of April, 2023.

  
City Attorney



# City of Lawton

## Department of Public Utilities

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E-mail: [cityof.lawton.ok.us](mailto:cityof.lawton.ok.us)  
Telephone 580-581-3405  
Fax 580-581-3407

Mailing Address: 103 Southwest 4th Street  
Shipping Address: 2100 South 6th Street  
Lawton, Oklahoma 73501

To: Justine Guevara, Buyer Financial Services  
From: Carl Gray, Water Plants Superintendent *LB*  
Thru: Rusty Whisenhunt, Director of Public Utilities  
Subject: CL23-015 – Liquid Oxygen  
Date: March 22, 2023

After reviewing the bids, it is recommended to award the contract for Liquid Oxygen to the low bidder, Matheson Tri-Gas, Inc. Matheson Tri-Gas, Inc. meets all requirements.

Funds are available in the Medicine Park Water Treatment Plant and Southeast Water Treatment Plant Divisions' Chemical Accounts (7006509-51015) and (7006510-51015).

If you have any questions regarding this information, please contact me.



COPY 1

909 Lake Carolyn Pkwy  
Suite 1300  
Irving, TX 75039

Tel: 214.604.9563  
[www.mathesongas.com](http://www.mathesongas.com)

February 27, 2023

Attn:  
City Clerk  
City of Lawton  
212 SW 9<sup>th</sup> Street  
Lawton OK 73501

**RE: CL23-015 LIQUID OXYGEN**

Matheson is pleased to submit this BID to City of Lawton for the supply of Bulk Liquid Oxygen.

Requests:

- We desire the BID results and the results for who received the contract. Please email the results to Jon Owen / [jowen@mathesongas.com](mailto:jowen@mathesongas.com)
- Matheson invoices using the CCF/per100 UOM. Equal pricing compared to pound is listed below and also notated on the Price BID Sheet.

**Matheson is bidding the following price: \$0.064024/per pound (equal to) \$0.53/CCF**

Thank you for this opportunity to BID on the supply of Bulk Liquid Oxygen. We look forward to supplying your (2) plants with reliable, safe, and an economic supply of product. This proposal is for commercial discussion purposes only.

Please feel free to contact me if you have any questions.

Best Regards,

**Jon Owen**  
*Bulk Sales Representative*  
MATHESON  
909 Lake Carolyn Pkwy. Ste. 1300  
Irving, Texas 75039  
Cell: 214.604.9563  
[jowen@mathesongas.com](mailto:jowen@mathesongas.com)  
[www.mathesongas.com](http://www.mathesongas.com)

Copy 1

# City of Lawton INVITATION TO BID AND CONTRACT

MAIL SEALED BIDS TO: City Clerk City of Lawton 212 SW 9th Street Lawton, OK 73501		DIRECT INQUIRIES TO: <a href="mailto:justine.quevara@lawtonok.gov">justine.quevara@lawtonok.gov</a>	
		QUESTIONS REGARDING BID: <a href="http://www.bidsync.com/bidsync-cas/">www.bidsync.com/bidsync-cas/</a>	
Date Bid Typed: February 22, 2023	Dates Bid Advertised: February 26, 2023	No Bids Received After: March 21, 2023 2:00pm	
Contract Number and Title: CL23-015 Liquid Oxygen		Requirements-type Contract:	Contract Period: 12 months
Bid Openings are held at Lawton City Hall 2nd Floor Conference Room 212 SW 9th Street Lawton, OK 73501 @ 2:00 pm			
Vendor Name and Point of Contact: Matheson Tri-Gas, Inc. / Jon Owen - Bulk Sales Rep.		Reason for No Bid:	
Mailing Address: 909 Lake Carolyn Pkwy STE 1300		Terms: NET 30	
City: State: Zip: Irving, TX 75039	Delivery: 2-Day		
Area Code and Phone Number: 972-560-5700	Email Address: <a href="mailto:jowen@mathesongas.com">jowen@mathesongas.com</a>		
Federal Employer Identification Number or Social Security Number		TAX ID # 742460354	

THIS BID INVALID IF NOT SIGNED AND NOTARIZED

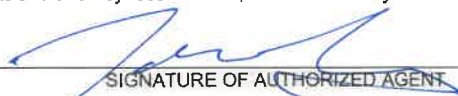
AFFIDAVIT: STATE OF Texas COUNTY OF Dallas,

Jesse Rodgers

of lawful age, being first duly sworn, on oath says that:

1. Affiant is the duly authorized agent of the bidder/vendor and/or contractor submitting the competitive bid and executing the contract which is attached to this statement, and that as such agent Affiant has the authority to bind the bidder/vendor, whether an individual, partnership, or corporation, for the purpose of negotiating and entering into said agreement, and for certifying the facts pertaining to the existence of collusion among bidders and between bidders and City officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to the bid to which this statement is attached; 2. Affiant is fully aware of the facts and circumstances surrounding the making of the bid and/or the procurement of the contract to which this statement is attached and has been personally and directly involved in the proceedings leading to the submission of such bids; 3. Neither the bidder/vendor nor anyone subject to the bidder/vendor's direction or control has been a party: a. to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding, b. to any collusion with any municipal official or employee as to quantity, quality or price in the prospective contract, or as to any other terms of such prospective contract, c. in any discussions between bidders and any municipal official concerning exchange of money or other thing of value for special consideration in the letting of a contract, nor d. to paying, giving or donating or agreeing to pay, give or donate to any officer or employee of the City of Lawton, any money or other thing of value, either directly or indirectly, in procuring the contract to which his statement is attached. 4. Affiant further agrees to be held personally liable in the event that Affiant has misrepresented the scope or extend of Affiant's authority to bind the bidder herein, and to indemnify and hold harmless the City of Lawton its departments, boards, commissions, agencies, institutions, and all employees of the aforementioned from all damages based upon such misrepresentation, including but not limited to all costs and attorney fees incurred, in addition to any other remedies available by law.

Firm: Matheson Tri-Gas, Inc.  
Address: 909 Lake Carolyn Pkwy STE 1300  
Irving, TX 75039  
(City, State, Zip)  
Phone: 972-560-5700

  
SIGNATURE OF AUTHORIZED AGENT  
Jesse Rodgers / Vice President - Product Management  
PRINT/TYPE NAME/TITLE  
Subscribed & sworn before me this 2nd day of March, 20 23.  
Michelle Smith  
Notary Public  
My Commission expires: 7/16/23

INVITATION TO BID AND CONTRACT  
PAGE 1 OF 11

Copy 1

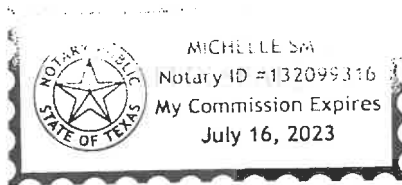
AFFIDAVIT FOR PAYMENTS IN EXCESS OF \$25,000.00  
CITY OF LAWTON, STATE OF OKLAHOMA

STATE OF Texas

SS

COUNTY OF Dallas

The undersigned (architect, contractor, supplier or engineer), of lawful age, being first duly sworn, on oath says that this contract is true and correct. Affiant further states that the (work, services or materials) will be (completed or supplied) in accordance with the plans, specifications, orders or requests furnished the affiant. Affiant further states that (s) he has made no payment directly or indirectly to any elected official, officer or employee of the City of Lawton, any county or local subdivision of the state, of money or any other thing of value to obtain or procure the contract or purchase order.



Matheson Tri-Gas, Inc.

Business Name / Contractor Name

Signed

Print: Jesse Rodgers

Attested to before me this 2nd day of March 2023.

Michelle Smith  
Notary Public

My Commission Expires 7/16 2023.

**NOTE:** Copy of this Affidavit must be attached to any invoice submitted by an architect, contractor, or engineer or supplier for work, services, or materials completed or supplied under the terms of the contract or contracts in excess of \$25,000.00.



Bid Number: CL23-015

Bid Title: Liquid Oxygen

Vendor Name: Matheson Tri-Gas, Inc  
(Please complete above information)

Price Bid

(Must be completed and returned with the bid)

Item	Description	Est. Qty	Unit	Unit Price
1	Liquid Oxygen	2.1 m	Wet pounds	\$0.064024 (equal to) \$0.53/CCF

This quantity is the estimated combined usage at the Medicine Park Water Treatment Plant and the Southeast Water Treatment Plant.

Notes:

1. As per accompanying specifications.
2. This is a requirements contract.
3. There are no insurance requirements for this contract.
4. Please submit two copies of any additional documents such as descriptive literature.
5. Please place all questions on Bidsync.



# CITY OF LAWTON

## FINANCE DEPARTMENT

February 27, 2023

**REQUEST FOR BID  
CL23-0015  
Liquid Oxygen**

The City of Lawton is hereby amending the above-mentioned Request for Request for Bid (CL). The original documentation can be found on at the City of Lawton City Clerk's office at 212 SW 9<sup>th</sup> Street, Lawton, OK 73501 and BidSync at <https://www.bidsync.com/bidsync-cas/>.

The following attachments are being revised in the Liquid Oxygen bid documents:

1. Bid Opening Location:
  - a. City Hall 3<sup>rd</sup> Floor Conference Room at 212 SW 9<sup>th</sup> Street, on Tuesday, March 21, 2023 at 2:00pm

**Addenda #1 Acknowledged by Matheson Tri-Gas, Inc.**

In the event that it is necessary to further amend, revise or supplement any part of this RFP, additional addenda will be posted to the City's website as well as Bidsync. The City will make a reasonable effort to provide the addenda to all bidders to whom the City provided the initial Invitation to Bid. The City is not responsible for any explanation, clarification, interpretation or approval made or given in any manner except by written addenda issued by the City.

**ALL BIDDERS SHALL ACKNOWLEDGE AND INCLUDE THIS ADDENDA #1 AS PART OF THEIR SUBMITTAL PACKAGE.**

**Justine Guevara**  
**Accountant/Buyer/Contract Administrator**

City Hall | 212 SW 9<sup>th</sup> Street | Lawton, Oklahoma 73501 | 580-581-3328  
**WWW.LAWTONOK.GOV**

## **CITY OF LAWTON SPECIFICATION**

**SPECIFICATION NUMBER: M-120**

**SPECIFICATION TITLE: Liquid Oxygen (Standard grade for ozone production)**

**APPROVAL DATE: 04-16-03**

**DELIVERY:**           **City of Lawton, Water Treatment Plant**  
                             **S. Lake Drive & Water Street**  
                             **Medicine Park OK 73557**  
                             **&**  
                             **City of Lawton, Southeast Water Treatment Plant**  
                             **4596 SE 15<sup>th</sup> Street**  
                             **Lawton OK 73501**

- a. Item(s) shall be delivered, FOB, to the address shown above.

**WARRANTY:**

- a. If item(s) bid are warrantable, the warranty will be considered during bid evaluation.
- b. Bidder is to clearly state the terms of the standard warranty and also the cost and terms of any additional available warranties.

**DISCLAIMER: The City of Lawton reserves the right to accept or reject any or all bids.**

**DESCRIPTION:**

- a. If bidder is bidding an item other than that which is shown, the bidder must include, with their bid, a complete, written specification of the item they are bidding, verifying the item, they are bidding is equal to or better than the item shown in the bid packet.
- b. The following specifications are the minimum acceptable standards for the item(s) shown above.
- c. Any deviation from these specifications must be clearly annotated by the Bidder by checking either Y or N and on a separate page list the specification reference and detailing the deviation.
- d. Failure to annotate deviations may cause bid to be deemed as non-responsive.



**SPECIFICATION FOR  
LIQUID OXYGEN (STANDARD GRADE)**

ITEM	DESCRIPTION	COMPLY	
		Y	N
1	Oxygen, minimum 99.5% volume	Y ✓	
2	Nitrogen, maximum 100 ppm/vol	Y ✓	
3	Water, maximum 2 ppm/vol	Y ✓	
4	Total hydrocarbons as methane, maximum <25ppm/vol	Y ✓	
5	Dewpoint, maximum °F -97	Y ✓	

Vendor shall supply delivery time. This information will be used as criteria in bid evaluation.

Vendor shall supply security information 24 hours prior to delivery. (ie: drivers name, license number, picture, trailer number, hatch seal number)

Vendor shall supply certified weight certificate and product analysis per delivery.

Delivery quantities:   Medicine Park Plant, approximately 4,500 gallons per load  
                                  Southeast Plant, approximately 2,000 gallons per load

## Safety Data Sheet

**Material Name: OXYGEN, LIQUID**
**SDS ID: 00225011**

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**Material Name**

OXYGEN, LIQUID

**Synonyms**

MTG MSDS 242; LIQUID OXYGEN; LOX; OXYGEN; OXYGEN, PRESSURIZED LIQUID; UN 1073; O2; OXYGEN (CRYOGENIC LIQUID)

**Chemical Family**

inorganic, Gas

**Product Use**

industrial.

**Restrictions on Use**

None known.

**Details of the supplier of the safety data sheet**

MATHESON TRI-GAS, INC.

909 Lake Carolyn Parkway

Suite 1300

Irving, TX 75039

General Information: 1-800-416-2505

Emergency #: 1-800-424-9300 (CHEMTREC)

Outside the US: 703-527-3887 (Call collect)

### Section 2 - HAZARDS IDENTIFICATION

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Oxidizing Gases - Category 1

Gases Under Pressure - Refrigerated liquefied gas

Serious Eye Damage/Eye Irritation - Category 2A

Specific target organ toxicity - Single exposure - Category 3

**GHS Label Elements**
**Symbol(s)**

**Signal Word**

Danger

**Hazard Statement(s)**

May cause or intensify fire; oxidizer.

Contains refrigerated gas; may cause cryogenic burns or injury.

Causes serious eye irritation.

May cause respiratory irritation.

**Precautionary Statement(s)**
**Prevention**

Keep away from clothing and other combustible materials.

Keep reduction valves free from grease and oil.

Wear cold insulating gloves/face shield/eye protection.

## Safety Data Sheet

**Material Name: OXYGEN, LIQUID**
**SDS ID: 00225011**

Avoid breathing gas.  
 Wash thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.

**Response**

In case of fire: stop leak if safe to do so.  
 Thaw frosted parts with lukewarm water.  
 Do not rub affected area.  
 Get immediate medical advice/attention.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Call a POISON CENTER or doctor/physician if you feel unwell.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.

**Storage**

Store in a well-ventilated area.  
 Keep container tightly closed.  
 Store locked up.

**Disposal**

Dispose in accordance with all applicable regulations.

**Other Hazards**

May cause frostbite upon sudden release of liquefied gas.

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
7782-44-7	OXYGEN, LIQUID	100

### Section 4 - FIRST AID MEASURES

**Inhalation**

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

**Skin**

If frostbite or freezing occur, immediately flush with plenty of lukewarm water (105-115°F; 41-46°C). DO NOT USE HOT WATER. If warm water is not available, gently wrap affected parts in blankets. Get immediate medical attention.

**Eyes**

Immediately flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

**Ingestion**

If swallowed, get medical attention.

**Most Important Symptoms/Effects**
**Acute**

frostbite, respiratory tract irritation, eye irritation

**Delayed**

no information on significant adverse effects.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

### Section 5 - FIRE FIGHTING MEASURES

**Extinguishing Media**

## Safety Data Sheet

**Material Name: OXYGEN, LIQUID**

**SDS ID: 00225011**

**Suitable Extinguishing Media**

Use regular dry chemical and/or carbon dioxide. Large fires: water spray or fog, regular foam

**Unsuitable Extinguishing Media**

Do not direct water at source of leak or safety devices; icing may occur.

**Special Hazards Arising from the Chemical**

Negligible fire hazard. Oxidizer. May ignite or explode on contact with combustible materials. Containers may rupture or explode if exposed to heat.

**Hazardous Combustion Products**

miscellaneous decomposition products

**Fire Fighting Measures**

Move container from fire area if it can be done without risk. Damaged cylinders should be handled only by specialists. Do not direct water at source of leak or safety devices; icing may occur. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Stay away from the ends of tanks. For fires in cargo or storage area: Cool containers with water from unmanned hose holder or monitor nozzles until well after fire is out. If this is impossible then take the following precautions: Keep unnecessary people away, isolate hazard area and deny entry. Let the fire burn. For tank, rail car or tank truck, evacuation radius: 800 meters (1/2 mile).

**Special Protective Equipment and Precautions for Firefighters**

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

### Section 6 - ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment, see Section 8.

**Methods and Materials for Containment and Cleaning Up**

Keep away from clothing and other combustible materials. Do not touch or walk through spilled material. Stop leak if possible without personal risk. Keep unnecessary people away, isolate hazard area and deny entry. If possible, turn leaking containers so that gas escapes rather than liquid. Do not direct water at spill or source of leak. Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. Prevent entry into sewers, drains, ditches, underground or confined spaces and waterways. Damaged cylinders should be handled only by specialists.

**Environmental Precautions**

Avoid release to the environment.

### Section 7 - HANDLING AND STORAGE

**Precautions for Safe Handling**

Keep away from clothing and other combustible materials. Keep reduction valves free from grease and oil. Wear cold insulating gloves/face shield/eye protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area.

**Conditions for Safe Storage, Including any Incompatibilities**

Store in a well-ventilated area.

Keep container tightly closed.

Store locked up.

Keep container tightly closed. Store in a well-ventilated area. Keep locked up. Store and handle in accordance with all current regulations and standards. Subject to storage regulations: U.S. OSHA 29 CFR 1910.104. Protect from physical damage. Keep separated from incompatible substances. Store in a cool, dry place. Store outside or in a detached building.

**Incompatible Materials**

combustible materials, halo carbons, metals, bases, reducing agents, amines, metal salts, oxidizing materials

## Safety Data Sheet

**Material Name: OXYGEN, LIQUID**
**SDS ID: 00225011**

### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Component Exposure Limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)**

There are no biological limit values for any of this product's components.

**Engineering Controls**

Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

**Individual Protection Measures, such as Personal Protective Equipment**
**Eye/face protection**

Wear splash resistant safety goggles with a faceshield. Contact lenses should not be worn. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin Protection**

Wear appropriate protective, cold insulating clothing.

**Respiratory Protection**

Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use. Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode. Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

**Glove Recommendations**

Wear insulated gloves.

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	blue liquefied gas	<b>Physical State</b>	gas
<b>Odor</b>	odorless	<b>Color</b>	blue
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	-218 °C (-360 °F )	<b>Boiling Point</b>	-183 °C (-297 °F )
<b>Boiling Point Range</b>	Not available	<b>Freezing point</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition Temperature</b>	Not available	<b>Flash Point</b>	(Not flammable )
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	760 mmHg @ -183 °C
<b>Vapor Density (air=1)</b>	1.1	<b>Specific Gravity (water=1)</b>	1.1407 at -183 °C
<b>Water Solubility</b>	3.2 % (@ 25 °C )	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	0.156 cp	<b>Kinematic viscosity</b>	Not available

## Safety Data Sheet

**Material Name: OXYGEN, LIQUID**
**SDS ID: 00225011**

<b>Solubility (Other)</b>	Not available	<b>Density</b>	Not available
<b>Log KOW</b>	0.65	<b>Physical Form</b>	cryogenic liquid
<b>Taste</b>	tasteless	<b>Molecular Formula</b>	O <sub>2</sub>
<b>Molecular Weight</b>	31.9988	<b>triple point</b>	-218.6 °C

**Solvent Solubility**
**Soluble**

alcohol

### Section 10 - STABILITY AND REACTIVITY

**Reactivity**

Containers may rupture or explode if exposed to heat.

**Chemical Stability**

Stable at normal temperatures and pressure.

**Possibility of Hazardous Reactions**

Will not polymerize.

**Conditions to Avoid**

Avoid contact with combustible materials. Containers may rupture or explode if exposed to heat.

**Incompatible Materials**

combustible materials, halo carbons, metals, bases, reducing agents, amines, metal salts, oxidizing materials

**Hazardous decomposition products**

miscellaneous decomposition products

### Section 11 - TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**
**Inhalation**

irritation, cough, sensitivity to light, changes in body temperature, nausea, difficulty breathing, irregular heartbeat, dizziness, Disorientation, hallucinations, mood swings, tingling sensation, pain in extremities, tremors, visual disturbances, blindness, lung congestion, lung damage, convulsions, Unconsciousness

**Skin Contact**

blisters, frostbite

**Eye Contact**

irritation, frostbite, blurred vision

**Ingestion**

ingestion of a gas is unlikely

**Acute and Chronic Toxicity**
**Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

**Product Toxicity Data**
**Acute Toxicity Estimate**

No data available.

**Immediate Effects**

frostbite, respiratory tract irritation, eye irritation

**Delayed Effects**

no information on significant adverse effects.

**Irritation/Corrosivity Data**

## Safety Data Sheet

**Material Name: OXYGEN, LIQUID**

**SDS ID: 00225011**

eye irritation, respiratory tract irritation

**Respiratory Sensitization**

No data available.

**Dermal Sensitization**

No data available.

**Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA.

**Germ Cell Mutagenicity**

No data available.

**Tumorigenic Data**

No data available

**Reproductive Toxicity**

No data available.

**Specific Target Organ Toxicity - Single Exposure**

Respiratory system

**Specific Target Organ Toxicity - Repeated Exposure**

No data available.

**Aspiration hazard**

Not applicable.

**Medical Conditions Aggravated by Exposure**

No data available.

### Section 12 - ECOLOGICAL INFORMATION

**Component Analysis - Aquatic Toxicity**

No LOLI ecotoxicity data are available for this product's components.

**Persistence and Degradability**

No data available.

**Bioaccumulative Potential**

No data available.

**Mobility**

No data available.

### Section 13 - DISPOSAL CONSIDERATIONS

**Disposal Methods**

Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262.

Hazardous Waste Number(s): D001.

**Component Waste Numbers**

The U.S. EPA has not published waste numbers for this product's components.

### Section 14 - TRANSPORT INFORMATION

**US DOT Information:**

**Shipping Name:** OXYGEN, REFRIGERATED LIQUID

**Hazard Class:** 2.2

**UN/NA #:** UN1073

**Required Label(s):** 2.2

**IMDG Information:**

**Shipping Name:** OXYGEN, REFRIGERATED LIQUID

**Hazard Class:** 2.2

## Safety Data Sheet

**Material Name: OXYGEN, LIQUID**
**SDS ID: 00225011**

UN#: UN1073

**Required Label(s):** 2.2 5.1

**International Bulk Chemical Code**

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

### Section 15 - REGULATORY INFORMATION

**U.S. Federal Regulations**

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories**

Gas Under Pressure; Oxidizer; Serious Eye Damage/Eye Irritation; Specific Target Organ Toxicity

**U.S. State Regulations**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
<b>OXYGEN, LIQUID</b>	<b>7782-44-7</b>	No	Yes	No	Yes	Yes

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

Not listed under California Proposition 65.

**Component Analysis - Inventory**
**OXYGEN, LIQUID (7782-44-7)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	No	Yes	No

KR - REACH CCA	MX	NZ	PH	TH-TECI	TW, CN	VN (Draft)
No	Yes	Yes	Yes	Yes	Yes	Yes

### Section 16 - OTHER INFORMATION

**NFPA Ratings**

Health: 3 Fire: 0 Instability: 0 Other:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Summary of Changes**

Updated: 05/01/2015

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological



## Safety Data Sheet

**Material Name: OXYGEN, LIQUID**

**SDS ID: 00225011**

Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; KR REACH CCA - Korea Registration and Evaluation of Chemical Substances Chemical Control Act; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX – Mexico; Ne- Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL – Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TH-TECI - Thailand - FDA Existing Chemicals Inventory (TECI); TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

### Other Information

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I CERTIFY that I have opened, read, and recorded herein all bids received and listed below:

## ABSTRACT OF BIDS

Signature: *Justine Guevara*

IFB/RFP Number CL23-015		Page <u>1</u> of <u>1</u>		Bidder Number <u>1</u>		Bidder Number <u>2</u>	
IFB/RFP Title <b>Liquid Oxygen</b>		Date Opened:  March 21, 2023		Linde, Inc.  Kimberley Howard 7000 High Grove Blvd Burr Ridge, IL 60527 630-320-4231		Matheson Tri-Gas, Inc.  Jon Owen 909 Lake Carolyn Pkwy, Ste. 1300 Irving, TX 75039 972-560-5700 <a href="mailto:jowen@mathesonigas.com">jowen@mathesonigas.com</a>	
Accountant/Buyer/Contract Administrator Justine Guevara		Number of ADDENDA Issued  1		Addenda Acknowledged  Yes		Addenda Acknowledged  Yes	
DELIVERY: CORPORATE SEAL OR NOTARY: AFFIDAVIT OF PAYMENTS....\$25,000: CERTIFICATE OF INSURANCE ENCLOSED:				As required None None N/A		As required Yes Yes N/A	
Item No.	Description of Bid Item	Est. Qty	Unit	Unit Price	Amount / Remarks	Unit Price	Amount / Remarks
1	Liquid Oxygen	2.1m	Wet Pounds		NO BID	\$0.064024	(equal to \$0.53/CCF)