Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name  ● Boost Oxygen
Synonyms   ● Aviator’s Breathing Oxygen (ABO)
CAS Number   ● 7782-44-7
EC Number   ● 231-956-9
Molecular Formula   ● :O 2:

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s)   ● Recreational Use of Oxygen

1.3 Details of the supplier of the safety data sheet

Manufacturer  ● Boost Oxygen LLC
                92 Woodmont Road
                Milford, CT 06460
                United States

                www.boostoxygen.com
                info@boostoxygen.com

Telephone (Technical)   ● 203-619-3616
Telephone (Technical)   ● 203-331-8100

1.4 Emergency telephone number

Manufacturer  ● 1-800-535-5053  INFOTRAC 24 Hour number
Manufacturer  ● +1 352-323-3500 - Outside United States
Section 2: Hazards Identification

United States (US)
According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

- Oxidizing Gases 1 - H270
- Compressed Gas - H280
2.2 Label elements
OSHA HCS 2012

DANGER

Hazard statements ● May cause or intensify fire; oxidizer - H270
Contains gas under pressure; may explode if heated - H280

Precautionary statements

Prevention ● Keep/Store away from clothing and other combustible materials. - P220

Response ● In case of fire: Remove product if safe to do so. - P370+P376

Storage/Disposal ● Store in a well-ventilated place. - P403

2.3 Other hazards

Canada
According to WHMIS

2.1 Classification of the substance or mixture

WHMIS ● Compressed Gas - A
Oxidizing - C

2.2 Label elements
WHMIS

WHMIS ● Compressed Gas - A
Oxidizing - C

2.3 Other hazards
WHMIS ● In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information

NFPA ● None of the trace impurities in this product contribute significantly to the hazards associated with the product. All hazard information pertinent to this product has been provided in the Safety Data Sheet, per the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and state equivalent standards.
Section 3 - Composition/Information on Ingredients

3.1 Substances

<table>
<thead>
<tr>
<th>Composition</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name</td>
<td>Identifiers</td>
<td>LD50/LC50</td>
<td>Classifications According to Regulation/Directive</td>
</tr>
<tr>
<td>Oxygen</td>
<td>CAS:7782-44-7</td>
<td>&gt;95.0%</td>
<td>NDA</td>
</tr>
<tr>
<td>Maximum Impurities</td>
<td>&lt; 0.5%</td>
<td>WHMIS: EU DSD/DPD: EU CLP: OSHA HCS 2012:</td>
<td>NDA</td>
</tr>
</tbody>
</table>

3.2 Mixtures

- Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

Skin
- First aid is not expected to be necessary.

Eye
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

Ingestion
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

4.4 Other information

- Users who experience any adverse effect after use of this product should seek fresh air. If symptoms persist seek medical attention. Take the can and the MSDS to physician or other health professional.
Section 5 - Firefighting Measures

5.1 Extinguishing media
Suitable Extinguishing Media
- Use extinguishing agent suitable for type of surrounding fire.
  SMALL FIRES: Dry chemical or CO2.
  LARGE FIRES: Water spray or fog.

Unsuitable Extinguishing Media
- No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

Hazardous Combustion Products

5.3 Advice for firefighters
Containers may explode when heated.
Ruptured can may rocket.
- No data available

- Structural firefighters' protective clothing provides limited protection in fire situations
  Move cans from fire area if you can do it without risk.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal Precautions
- Do not use, or store, above 120F

6.2 Environmental precautions
- No data available

6.3 Methods and material for containment and cleaning up
Containment/Clean-up Measures
- None expected

6.4 Reference to other sections
- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling
Handling
- Do not cut, weld, puncture or incinerate can.

7.2 Conditions for safe storage, including any incompatibilities
Storage
- Store in a cool, dry, well-ventilated place. Protect cans against physical damage.

7.3 Specific end use(s)
- Refer to Section 1.2 - Relevant identified uses.
Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters
Exposure Limits/Guidelines  • Currently there are no applicable exposure limits established for this material.

8.2 Exposure controls
Engineering  • Good general ventilation should be used.
Measures/Controls
Personal Protective Equipment
Respiratory  • None
Eye/face  • None
Skin/Body  • None
Environmental Exposure Controls  • None necessary

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>Colorless, odorless gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Gas</td>
<td>Appearance/Description</td>
<td>Colorless, odorless gas</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Data lacking</td>
<td>Data lacking</td>
<td>Data lacking</td>
</tr>
</tbody>
</table>

General Properties

| Boiling Point        | -183 C(-297.4 F) | Melting Point          | -218.8 C(-361.84 F) |
| Decomposition        | Data lacking     | pH                     | Data lacking          |
| Temperature          | Data lacking     | Density                | 1.326 kg/m³ @ 32 F(0 C) |
| Specific Gravity/Relative Density | 1.105 Water=1 @ 21.1 C(69.98 F) | Density             | Not relevant          |
| Water Solubility     | 0.0491 % @ 0 C(32 F) | Viscosity          | Not relevant          |
| Explosive Properties | Data lacking     | Oxidizing Properties:  | Oxidizing gas.        |

Vapor Pressure        | 2L- 260psig 6L-150psig | Vapor Density         | 1.105 Air=1 |

9.2 Other Information

• No additional physical and chemical parameters noted.
Section 10: Stability and Reactivity

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- No data available

10.5 Incompatible materials

- No dangerous reaction known under conditions of normal use.

- Stable under normal temperatures and pressures.

10.6 Hazardous decomposition products

- None
### Section 11 - Toxicological Information

#### 11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Dosage</th>
<th>Route</th>
<th>Species</th>
<th>Duration</th>
<th>Results</th>
<th>Test Class</th>
<th>Target Organs</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reproductive</td>
<td>10 pph</td>
<td>Inhalation</td>
<td>Rat</td>
<td>9 Hour(s)</td>
<td>TCLo</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
</tbody>
</table>

**GHS Properties**

**Classification**

| Acute toxicity    | EU/CLP  • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| Aspiration Hazard | EU/CLP  • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| Carcinogenicity   | EU/CLP  • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| Germ Cell Mutagenicity | EU/CLP  • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| Skin corrosion/Irritation | EU/CLP  • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| Skin sensitization| EU/CLP  • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| STOT-RE           | EU/CLP  • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| STOT-SE           | EU/CLP  • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| Toxicity for Reproduction | EU/CLP  • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| Respiratory sensitization | EU/CLP  • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
| Serious eye damage/Irritation | EU/CLP  • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met |
**Potential Health Effects**

**Inhalation**

**Acute (Immediate)**
- Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)**
- No data available

**Skin**

**Acute (Immediate)**
- Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)**
- No data available

**Eye**

**Acute (Immediate)**
- Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)**
- No data available

**Ingestion**

**Acute (Immediate)**
- Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)**
- No data available

**Key to abbreviations**

TC = Toxic Concentration

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**Section 12 - Ecological Information**

12.1 Toxicity

- Oxygen occurs naturally in the atmosphere. The gas will be dissipated rapidly in well ventilated areas.

12.2 Persistence and degradability

- No data available

12.3 Bioaccumulative potential

- No data available

12.4 Mobility in Soil

- No data available

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been conducted for this material.

12.6 Other adverse effects

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**Section 13 - Disposal Considerations**

13.1 Waste treatment methods

**Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
### Section 14 - Transport Information

<table>
<thead>
<tr>
<th>14.1 UN number</th>
<th>14.2 UN proper shipping name</th>
<th>14.3 Transport hazard class(es)</th>
<th>14.4 Packing group</th>
<th>14.5 Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT (6L)</td>
<td>UN3156 Compressed Gas, Oxidizing</td>
<td>2.2</td>
<td>SP-10704</td>
<td>None</td>
</tr>
<tr>
<td>DOT (2L)</td>
<td>UN1950 Aerosols</td>
<td>2.2</td>
<td>LTD QTY</td>
<td>None</td>
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<tr>
<td>TDG</td>
<td>UN1950 Aerosols</td>
<td>2.2</td>
<td>LTD QTY</td>
<td>None</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>UN1950 Aerosols</td>
<td>2.2</td>
<td>LTD QTY</td>
<td>None</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>UN1950 Aerosols</td>
<td>2.2</td>
<td>LTD QTY</td>
<td>None</td>
</tr>
</tbody>
</table>

#### 14.6 Special precautions for user

- Cans should be transported in strong outside packaging.

#### 14.7 Ensure cans are not exposed to temperatures greater than 120 F (as may occur in an enclosed vehicle on a hot day).
Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>MA</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen</td>
<td>7782-44-7</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Maximum Impurities</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

State Right To Know

Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>China</th>
<th>EU EINECS</th>
<th>EU ELNICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen</td>
<td>7782-44-7</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Maximum Impurities</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Inventory (Con't.)

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Japan ENCS</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen</td>
<td>7782-44-7</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Maximum Impurities</td>
<td>NDA</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Canada

Labor

- Canada - WHMIS - Classifications of Substances
  - Oxygen 7782-44-7 A, C

- Canada - WHMIS - Ingredient Disclosure List
  - Oxygen 7782-44-7 Not Listed

Environment

- Canada - CEPA - Priority Substances List
  - Oxygen 7782-44-7 Not Listed

United States

Labor

- U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals
  - Oxygen 7782-44-7 Not Listed

- U.S. - OSHA - Specifically Regulated Chemicals
  - Oxygen 7782-44-7 Not Listed

Environment

- U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
  - Oxygen 7782-44-7 Not Listed

- U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities
  - Oxygen 7782-44-7 Not Listed

- U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs
• Oxygen 7782-44-7 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs
• Oxygen 7782-44-7 Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting
• Oxygen 7782-44-7 Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII
• Oxygen 7782-44-7 Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents
• Oxygen 7782-44-7 Not Listed

United States - California

Environment
U.S. - California - Proposition 65 - Carcinogens List
• Oxygen 7782-44-7 Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity
• Oxygen 7782-44-7 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female
• Oxygen 7782-44-7 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male
• Oxygen 7782-44-7 Not Listed

United States - Pennsylvania

Labor
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
• Oxygen 7782-44-7 Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
• Oxygen 7782-44-7 Not Listed

15.2 Chemical Safety Assessment
• No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date
• June 21, 2017

Preparation Date
• May 8, 2016

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