



Safety Data Sheet

Oxygen

Section 1: Product and Company Identification

Absolute Accuracy
4591 S Wayside Dr
Houston, TX 77087
(832) 571-2387

Product Code: Oxygen

Section 2: Hazards Identification



Danger

Hazard Classification:

Gases Under Pressure
Oxidizing Gas (Category 1)

Hazard Statements:

Contains gas under pressure; may explode if heated
May cause or intensify fire; oxidizer

Precautionary Statements

Prevention:

Keep reduction valves/valves and fittings free from oil and grease.
Keep and store away from clothing and combustible materials.

Response:

In case of fire: Stop leak if safe to do so.

Storage:

Protect from sunlight.
Store in well-ventilated place.

Section 3: Composition/Information on Ingredients

CAS #
7782-44-7

Chemical Substance
OXYGEN, COMPRESSED GAS

Section 4: First Aid Measures

Skin Contact
None expected

Section 5: Fire Fighting Measures

Suitable Extinguishing Media
Non-flammable. Use extinguishing agent appropriate for the material which is burning. Use water in large quantities for fires involving oxygen.

Section 6: Accidental Release Measures

Personal Precautions
Keep unnecessary people away, isolate hazard area and deny entry. Ventilate closed spaces before entering.

Methods for Cleanup
Stop leak and ventilate

Section 7: Handling and Storage

Handling
Store and handle in accordance with all current regulations and standards. Subject to storage regulations: U.S. OSHA 29 CFR 1910.101.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines
OXYGEN, COMPRESSED GAS: No occupational exposure limits established.

Engineering Controls
Handle only in fully enclosed systems.

Eye Protection
Eye protection not required, but recommended.

General Hygiene considerations

- Avoid breathing vapor or mist
- Avoid contact with eyes and skin
- Wash thoroughly after handling and before eating or drinking

Section 9: Physical and Chemical Properties

Physical State	Appearance
Gas	Clear

Flash Point	Flammability
Not flammable	Not available

Boiling Point	Freezing Point	Vapor Pressure	Vapor Density	Specific Gravity	Water Solubility	pH	Odor Threshold	Evaporation Rate	Viscosity
-297 F (-183 C)	-360 F (-218 C)	760 mmHg @ -183 C	1.1 (Air=1)	Not applicable	3.2% @ 25 C	Not applicable	Not available	Not applicable	0.02075 cP @ 25 C

Molecular Weight	Molecular Formula
31.9988	O2

Section 10: Stability and Reactivity

Stability
Stable at normal temperatures and pressure.

Hazardous Decomposition Products
Miscellaneous decomposition products

Section 11: Toxicology Information

Acute Effects

Oral LD50
Not established

Eye Irritation
No information on significant adverse effects

Chronic Effects

Carcinogenicity
Not known.

Section 12: Ecological Information

Fate and Transport

Eco toxicity
Fish toxicity: Not available Invertebrate toxicity: Not available Algal toxicity: Not available Phyto toxicity: Not available Other toxicity: Not available

Section 13: Disposal Considerations

Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D001.

Section 14: Transportation Information

U.S. DOT 49 CFR 172.101

Proper Shipping Name	ID Number
Oxygen, compressed	UN1072

Canadian Transportation of Dangerous Goods

Shipping Name
Oxygen, compressed

Section 15: Regulatory Information

U.S. Regulations

CERCLA Sections

Not regulated.

SARA 370.21

Acute

No

SARA 372.65

Not regulated.

OSHA Process Safety

Not regulated.

State Regulations

CA Proposition 65

Not regulated.

Canadian Regulations

WHMIS Classification

A,C

National Inventory Status

US Inventory (TSCA)

Listed on inventory.

Section 16: Other Information

NFPA Rating

HEALTH=0 FIRE=0 REACTIVITY=0 SPECIAL=OX

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard