



Material Safety Data Sheet

MSDS

Product

Names	Concentrations	CAS Number
Oxygen	50 %	7782-44-7
Nitrogen	50 %	7727-37-9

Company

IWS Gas And Supply
111 Buras Dr.
Belle Chasse, LA 70084
Phone: 504-392-2400
Fax: 504-392-9888
Web: www.gasandsupply.com

TNT Gas And Supply
2020 North Third St.
Baton Rouge, LA 70802
Phone: 225-343-4806
Fax: 225-383-4564
Web: www.gasandsupply.com

Emergency



1-800-424-9300

Physical and Chemical Characteristics

State:	Gas
Color:	Colorless
Odor:	Odorless

Physical and Chemical Hazards

Flammable?	LEL	UEL
No	N/A	N/A

Reactivity:

Product is stable, but will **vigorously accelerate combustion**. Avoid contact with flammable and combustible materials.

Health Hazards

Exposure Limits		Carcinogenicity		
OSHA PEL	ACGIH TLV	NTP	IARC	OSHA
Not established	Not established	Not established	Not established	Not established

Signs and Symptoms:

Inhalation may result in: nasal stuffiness, cough, sore throat, chest pain and difficulty breathing. Breathing under pressure may cause lung damage and central nervous system effects such as dizziness, poor co-ordination, visual and hearing disturbances, loss of consciousness and convulsions.

Safe Handling and Use

Use: Do not puncture or incinerate container. High pressure gas. Use equipment rated for cylinder pressure. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. Use a suitable hand truck for cylinder movement. Do not lift cylinders by their cap.

Storage: Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 52 C (125 F). Packs of cylinders should be secured in place. Separate from flammable and combustible materials.

More information on the safe handling of cylinders is available from the Compressed Gas Association, in their pamphlet P-1 "Safe Handling of Compressed Gases in Containers".

Control Measures

Engineering measures:

Provide local exhaust ventilation system to prevent oxygen-enriched atmosphere.

Personal protective equipment:

Hand protection:	Wear work gloves whenever dealing with cylinders or packs.
Eye protection:	Wear safety glasses whenever dealing with high pressure gases.
Skin and body protection:	Wear appropriate workplace clothing.

First Aid

Eye contact:	No harm expected.
Skin contact:	No harm expected.
Ingestion:	Product is in gas phase.
Inhalation:	Move to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

Emergency Procedures

If involved in fire, shut off flow immediately if it can be done without risk. Apply water from a safe distance to cool container and protect surrounding area.

Self-contained breathing apparatus may be required. If cylinder temperatures exceed 52 °C (125 °F), they may rupture. Cylinders are fitted with pressure-relief devices that should open if cylinder is exposed to excessive temperatures.

Notice

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

If this product is used for mixed gas diving, it should be done under the supervision of a trained and experienced Diving Officer, Master Diver, or Diving Supervisor.