

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (as Used on Label and List) ProFlo Models  
PFX32S PFX33S PFX44S PFX62S PFX81S PFX86S PFX119S PFX20S PFX26S

Potable Water Expansion Tank  
Compressed Air; Air UN 1002 Division 2.2

**Section I**

Manufacturer's name Flexcon Industries

Emergency Telephone Number 781-986-2424

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

Telephone Number for Information 781-986-2424- ext. 628

300 Pond Street

Date Prepared 7/1/16

Randolph, MA 02368 U.S.A.

Signature of Preparer (optional) Robert Lombardi 7/1/16

**Section II—Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))

OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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Compressed Air; Air

N/A

N/A

N/A

N/A

**Section III—Physical/Chemical Characteristics**

Boiling Point

-317.8 degrees F (-194.3 degrees c)

Specific Gravity (H<sub>2</sub>O = 1)

@70 degrees F (21.1 degrees c) = 1.0

Vapor Pressure (mm Hg)

@70 degrees F (2.1 degrees c): Above Critical Temp of -221.1 degrees F (-140.6 degrees F)

Melting Point

Vapor Density (AIR = 1)

@70 degrees F (21.1 degrees c) = 1.0

Evaporation Rate (Butyl Acetate = 1)

N/A

Solubility in Water

Very slightly

Appearance and Odor

Colorless, odorless gas

**Section IV—Fire and Explosion Hazard Data**

Flash Point (Method Used)

N/A

Flammable Limits

LEL N/A

UEL N/A

Extinguishing Media

Nonflammable gas

Special Fire Fighting Procedures

If cylinders are involved in a fire, safely relocate or keep cool with water spray.

Unusual Fire and Explosion Hazards

Compressed air at high pressures will accelerate the burning of materials to a greater rate than they burn at atmospheric pressure.

(Reproduce locally)

OSHA 174 Sept. 1985

**Section V—Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	NONE
Incompatibility (Materials to Avoid) NONE			
Hazardous Decomposition or Byproducts NONE			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	NONE

**Section VI—Health Hazard Data**

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
Health Hazards (Acute and Chronic)			
Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?

Signs and Symptoms of Exposure Air is nontoxic and necessary to support life. Inhalation of air in a high pressure environment such as underwater diving, caissons or hyperbaric chambers can result in symptoms similar to overexposure to pure oxygen. These include tingling of fingers and toes, abnormal sensations, impaired coordination and confusion. Decompression sickness, pains or “bends” are possible following rapid decompression.

Medical Conditions  
Generally Aggravated by Exposure

Emergency and First Aid Procedures Facilities or practices at which air is breathed in a high pressure environment should be prepared to deal with the illnesses associated with decompression (bends or caisson disease). Decompression equipment may be required.

**Section VII—Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled	N/A
Waste Disposal Method	N/A

Precautions to Be Taken in Handling and Storing Use a suitable hand truck for cylinder movement. Do not heat cylinder by any means. Protect cylinders from physical damage. Store in cool, dry area. Do not allow the temperature where cylinders are stored to exceed 200 degrees F. Use a “first in – first out” inventory system to prevent full cylinders being stored for excessive periods of time.

Other Precautions Compressed gas cylinders should not be refilled. Shipment of a compressed gas cylinder which has not been filled by the owner or with his (written) consent is a violation of Federal Law (49CFR),

**Section VII—Control Measures**

Respiratory Protection (Specify Type) N/A			
Ventilation	Local Exhaust	N/A	Special
	Mechanical (General)	N/A	Other
N/A			N/A
Protective Gloves	Any material		Eye Protection
Other Protective Clothing or Equipment	Safety shoes		
Work/Hygienic Practices			