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Material Safety Data sheet

1. PRODUCT IDENTIFICATION

Product Name:	ASSY, Gas Bottle, Opti	Information Number:	1-800-490-6784
Part Number:	N/A	Emergency Number:	1-800-490-6784 1-770-510-4444 (International)
Component Part No:	N/A	Product Line:	OPTI Medical
Catalog Number:	BP7001	Instrument Type:	
Preparation Date:	11/13/2007	Last Update:	11/13/2007

2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS #	% W / V	EXPOSURE LIMITS IN AIR				
			ACGIH		OSHA		OTHER
			TLV	STEL	PEL	STEL	

Reagent 1: Gas cylinder

Carbon Dioxide	124-38-9	6%	5000 ppm	30,000 ppm	5000 ppm	N/A	NIOSH IDLH: 40,000 ppm
Nitrogen	7727-37-9	80%	Simple Asphyxiant	N/A	Simple Asphyxiant	N/A	NIOSH: Simple Asphyxiant

Reagent 2: Continued

Oxygen	7782-44-7	14%	N/A	N/A	N/A	N/A	> 75% by volume starts to be hazardous

Reagent 3: N/A

3. HAZARD IDENTIFICATION

Primary Routes of Entry: Inhalation

Inhalation:

Carbon Dioxide: Headache, dizziness, shortness of breath. Nitrogen: Headache, dizziness, unconsciousness, death. Oxygen: > 75% by volume may cause hyperoxia including cramps, nausea, dizziness, hypothermia, respiratory difficulty, fainting.

Ingestion:

N/A

Skin Contact:

Skin can be damaged if there is a release of air pressure too close to the skin.

Chronic Exposure:

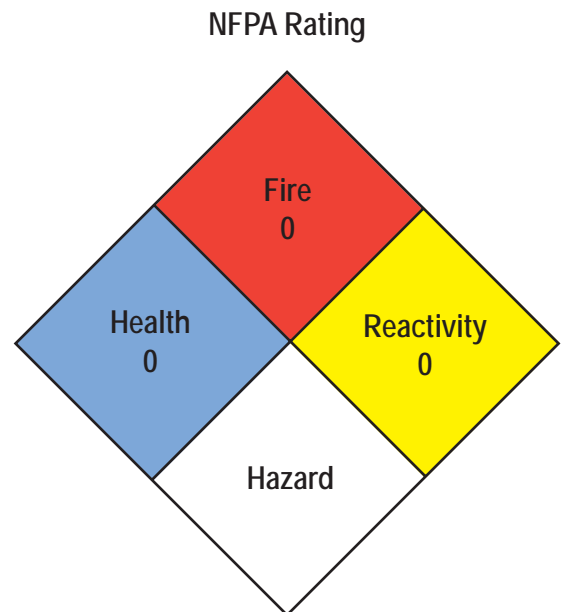
N/A

Medical Conditions Aggravated by Exposure:

N/A

Health Effects:

No adverse health effects should occur from routine use of this material in the manner specified by the manufacturer's instructions.



4. FIRST AID MEASURES

Inhalation:

If breathing becomes difficult, remove victim to fresh air. Get medical attention immediately.

Ingestion:

N/A

Skin Contact:

In case of skin damage and/or laceration, get medical assistance.

Eye Contact:

If damage to eye(s) occurs, get medical assistance immediately.

5. FIRE FIGHTING MEASURES

Flash Point (Method used): N/A

Flammable Limits - LEL: N/A

UEL: N/A

Extinguishing Media:

Use fire extinguishing media appropriate for site conditions.

Special Fire Procedures:

Keep containers cool with water spray. Remove source of oxygen, stop gas flow.

Unusual Fire and Explosion Hazards:

Excessive pressure can build up due to heat. Containers may explode if pressure relief devices should fail to relieve pressure.

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled:

If contents of container are released, provide adequate ventilation to maintain oxygen above 19.5% by volume. Evacuate personnel from area, remove ignition sources. Emergency personnel will need SCBA if oxygen is < 19.5% by volume.

7. HANDLING AND STORAGE

Keep temperature < 51.6°C (125° F). Store upright with valve cap in place and properly secured. Do not store near combustible materials or in hot locations. Do not drop containers. Do not refill containers.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation Data:

Supplemental ventilation is not required for the normal use of this product.

Respiratory Protection:

Respiratory protection is not required under normal use of this product.

Protective Gloves:

Wear PVC or rubber to protect skin against possible pressure release.

Other Protective Equipment:

Wear appropriate eye protection to prevent eye contact.

Other Engineering Controls:

N/A

Work Practices:

Do not have face close to attachments when hooking up containers.

Hygienic Practices:

Do not eat, drink or smoke while working with product. Upon completion of work activities involving this product, wash hands thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

For All Components Unless Otherwise Indicated

Relative Vapor Density (air = 1):	N/A	Evaporation Rate (nBuAc = 1):	N/A
Specific Gravity (water = 1):	N/A	Freezing / Melting Point:	N/A
Solubility in Water:	Soluble in water	Boiling Point:	N/A
Vapor Pressure, mm Hg @ 20° C (68° F):	N/A	pH:	N/A

Odor and Appearance Information:

Reagent 1:

Gas, Colorless, slight odor.

Reagent 2:

N/A

10. STABILITY AND REACTIVITY

Incompatibility (Materials to Avoid):

Carbon dioxide will form carbonic acid with moisture.

Hazardous Decomposition Products:

N/A

Will Hazardous Polymerization Occur?

Hazardous polymerization will not occur.

Conditions to Avoid / Polymerization:

N/A

Is the Product Stable?

Yes, under normal handling and storage conditions.

Conditions to Avoid / Stability:

Excess heat, flame or pressure

11. TOXICOLOGICAL INFORMATION

Toxicity Data:

N/A

Reproductive Effects:

N/A

Target Organ Effects:

N/A

Carcinogenicity: No

CHEMICAL NAME	CAS #	% W / V	NTP Carcinogen		IARC	OSHA
			Known	Anticipated		
N/A						

12. ECOLOGICAL INFORMATION

Environmental Fate / Stability:

N/A

Effect of Material on Plants or Animals:

N/A

Effect of Chemical on Aquatic Life:

N/A

13. DISPOSAL CONSIDERATIONS

EPA Waste Number and Proper Waste Disposal Method:

Please consult local, state and federal regulations for additional guidance on disposal.

14. TRANSPORTATION INFORMATION

Is this Material Hazardous? Yes

Proper Shipping Name:	Compressed Gas, n.o.s. (80% Nitrogen, 14% Oxygen, 6% Carbon Dioxide)		
Hazard Class Number:	2.2	Packing Group:	N/A
		UN Number:	1956

15. REGULATORY INFORMATION

U.S. SARA 313 Notice Requirement (40 CFR 372):

N/A

U.S. SARA Reportable Quantity (EHS RQ) / Threshold Planning Quantity (SARA 302; 40 CFR 355, App. A):

N/A

U.S. CERCLA Reportable Quantity (SARA 304; 40CFR Table 302.4):

N/A

U.S. TSCA Inventory Status:

All components are listed on the TSCA Inventory.

Other U.S. Federal Regulations:

N/A

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

No component of this product is on the California Proposition 65 list.

16. OTHER INFORMATION

Other Comments:

N = No Y = Yes N/A = Not applicable or no information

DISCLAIMER

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