

BIN#141

SURVIVAIR - 3001 SOUTH SUSAN ST., SANTA ANA, CA 92704
MATERIAL SAFETY DATA SHEET

COMPRESSED BREATHING AIR

SECTION I

SURVIVAIR
DIVISION OF COMASEC INC.
3001 S. SUSAN ST.
SANTA ANA, CA 92704

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CHEMTREC PHONE NO. (800) 424-9300
DATE PREPARED. 1-15-91

*CHEMTREC NO. IS ONLY FOR EMERGENCIES
INVOLVING LEAKS, SPILLS, FIRE, ETC.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

PRODUCT NAME: COMPRESSED BREATHING AIR
SYNONYMS: AIR

CHEMICAL FAMILY: GAS MIXTURE
DOT HAZARD CLASS: NONFLAMMABLE
GAS
DOT I.D. NO.: UN1002

Air is nontoxic and is necessary to support life. Inhalation of air in high pressure environments such as caisson or hyperbaric chambers can cause tingling of fingers, impaired coordination and confusion (symptoms of overexposure to oxygen). Decompression sickness, pains or "bends" may occur following rapid decompression

CHEMICAL FORMULA: N₂ - ~78%
O₂ - ~21%
CO₂ - ~0.03%
AR - ~0.98%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Sublimation Point: -317.8°F (-194.3°C)
Liquid Density at Boiling Point: 54.56 lb/ft³ (874 Kg/m³)
Specified Gravity at 70°F, 1 ATM (Air = 1): 1.0
Appearance and Odor: Colorless, odorless gas

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Not applicable

Flammable Limits: Not applicable

Extinguishing Media: Water spray only to cool cylinders

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: Accelerates combustion

SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to avoid: Not applicable

Incompatibility (Materials to avoid): All flammable materials

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization: Will not occur

Conditions to avoid: None

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation

Health Hazards (Acute and Chronic):

Inhalation of air in a high pressure environment such as caisson or hyperbaric chambers can cause tingling of fingers, impaired coordination and confusion.

Carcinogenicity: None identified

Signs and Symptoms of Exposure:

See section A above related to inhalation of air in a high pressure environment.

Medical Conditions Generally Aggravated by Exposure: None

Emergency and First Aid Procedures:

If air is breathed in a high pressure environment, facilities for dealing with decompression (Bends) may be required.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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

None required

Waste Disposal Method:

Vent to atmosphere. When cylinder valve is opened, air vents at high velocity. Make sure valve outlet is pointed in a safe direction.

Precautions to Be Taken in Handling and Storing:

Do not store cylinders where temperatures exceed 130°F (54°C). Avoid abrasion of cylinder. Always store cylinders fully pressurized to ensure proper operation of cylinder burst disc (in case of overheated cylinder).

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): None required

Ventilation:

Local Exhaust: None

Special: None

Mechanical (General): None

Other:

Protective Gloves: Any material

Eye Protection: Safety goggles or glasses

Other Protective Clothing or Equipment: Safety shoes

Work/Hygienic Practices:

