



# SAFETY DATA SHEET

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Revised edition no: 0

Date: 01-01-2013

## 1-2% Oxygen in Argon

Y.O 017

### 1. IDENTIFICATION OF THE SUBSTANCE / PRODUCTION AND COMPANY NAME

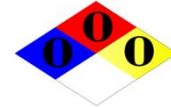
Trade Name : Rare Gas and Oxygen Mixture, Compressed (D.O.T. )  
MSDS No. : Y.O 017  
Chemical Formula : 1-2 Molar % O<sub>2</sub> in Ar  
Company Name : Yateem Oxygen  
Emergency Phone Nr : 17456248, 17731452

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance name : Argon Contents : 98%  
Substance name : Oxygen Contents : 2%

### 3. HAZARDS IDENTIFICATION

Hazards identification : Compressed gas N.O.S.  
In high concentrations may cause asphyxiation.



### 4. FIRST AID MEASURES

a) Inhalation : In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/ loss of consciousness. Victim may not be aware of asphyxiation.  
Remove victim to uncontaminated area wearing self contained breathing apparatus.  
Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped.

### 5. FIRE-FIGHTING MEASURES

Flammable class : Non flammable.  
Specific hazards : Exposure to fire may cause containers to rupture/explode.  
Suitable extinguishing media : All known extinguishants can be used.  
Specific methods : If possible, stop flow of product.  
Move away from the container and cool with water from a protected position.  
Special protective equipment for fire fighters : In confined space use self-contained breathing apparatus.

### 6. HANDLING AND STORAGE

Storage : Keep container below 50°C in a well ventilated place.  
Handling : Suck back of water into the container must be prevented.  
Do not allow back feed into the container.  
Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt.  
Refer to supplier's container handling instructions.

### 7. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection : Ensure adequate ventilation.



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#### 8. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C	: Compressed gas N.O.S.
Colour	: Colourless gas.
Odour	: No odour warning properties.
Molecular formula	: 1-2 Molar % O <sub>2</sub> in Ar
Boiling point	: O <sub>2</sub> = -297.3°F (-182.9°C) Ar = -302.6°F (185.9°C)
Vapour pressure	: @ 70°F (21.1°C) Above the critical temp. of 69.9°F (2°C)
Relative density, gas (air=1)	: @70°F (21.1°C) = 4.56 = O <sub>2</sub> = 1.11; Ar = 1.38
Relative density, liquid (water=1)	: Not applicable
Solubility in water [mg/l]	: Very soluble
Other data	: Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

#### 9. STABILITY AND REACTIVITY

Stability and reactivity : Stable under normal conditions.

#### 10. TOXICOLOGICAL INFORMATION

Toxicity information : No known toxicological effects from this product.

#### 11. DISPOSAL CONSIDERATIONS

General : Do not discharge into any place where its accumulation could be dangerous.  
Discharge to atmosphere in a well ventilated place.  
Contact supplier if guidance is required.

#### 12. TRANSPORT INFORMATION

UN No. : UN 1980  
Proper shipping name : Rare gas and oxygen mixture  
Labeling : Label 2.2 : Non flammable, non toxic gas.  
Other transport information : Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.  
Before transporting product containers :  
- Ensure that containers are firmly secured.  
- Ensure cylinder valve is closed and not leaking.  
- Ensure valve outlet cap nut or plug (where provided) is correctly fitted.  
- Ensure valve protection device (where provided) is correctly fitted.  
- Ensure there is adequate ventilation.  
- Compliance with applicable regulations.



#### 13. OTHER INFORMATION

Asphyxiant in high concentrations.  
Keep container in a well-ventilated place.  
Do not breathe the gas.  
Ensure all national/local regulations are observed.  
The hazard of asphyxiation is often overlooked and must be stressed during operator training.  
Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.