



SAFETY DATA SHEET

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Revised edition no: 0

Date: 01-01-2013

TETRAFLUOROETHANE (R 134A)

Y.O 016

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCTION AND COMPANY NAME

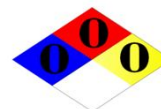
Trade Name : Tetrafluoroethane (R-134A)
MSDS No. : Y.O 016
Chemical Formula : H₂FC-CF₃
Company Name : Yateem Oxygen
Emergency Phone Nr : 17456248, 17731452

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance name : Tetrafluoroethane Contents : 100%
Contains no other components or impurities which will influence the classification of the product

3. HAZARDS IDENTIFICATION

Hazards identification : Liquefied gas.
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.

b) Skin/eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes.
In case of frostbite spray with water for at least 15 minutes. Apply a sterile dressing.

5. FIRE-FIGHTING MEASURES

Flammable class : Non flammable.
Specific hazards : Exposure to fire may cause containers to rupture/explode.
Hazardous combustion products : If involved in a fire the following toxic and/or corrosive fumes may be produced by
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

7. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection : Ensure adequate ventilation. Do not smoke while handling product.



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8. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C	: Liquefied gas.
Colour	: Colourless gas.
Odour	: Odorless gas.
Molecular formula	: H2FC-CF3
Molecular weight	: 102.03
Melting point [°C]	: 101
Boiling point [°C]	: -26.6
Critical temperature [°C]	: 100.9
Vapour pressure, 20°C	: 5.7 bar
Relative density, gas (air=1)	: 5.28 kg/m ³
Relative density, liquid (water=1)	: 4.25 kg/m ³
Solubility in water [mg/l]	: 0.21
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.

12. TRANSPORT INFORMATION

UN No.	: 3159
Proper shipping name	: TETRAFLUOROETHANE (REFRIGERANT GAS R 134A)
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 :	<ul style="list-style-type: none">- 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.
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.