

# Product Data Sheet



## TETRON -R134a. (1,1,1,2 -Tetrafluoroethane)

### Product Description:

Tetron-R134a is a 99.9% pure inert gas used primarily as a "high-temperature" refrigerant for domestic refrigeration and automobile air conditioners. It also used as a propellant for aerosol and a blowing agent for extruded polystyrene foams.

Tetron-R134a, is a haloalkane refrigerant with thermodynamic properties similar to R-12 but with less ozone depletion potential and has an excellent safety performance. It is a colourless gas under ordinary temperature and a colourless and transparent liquid under pressure.

### Key Performance Properties:

- Purity 99.9%
- Replacement for R12 CFC
- Ozone Friendly
- Non Toxic
- Non Flammable
- Non Corrosive

### Applications:

Used primarily as a "high-temperature" refrigerant for domestic refrigeration and automobile air conditioners. Other uses include plastic foam blowing, as a cleaning solvent, a propellant for the delivery of pharmaceuticals (e.g. bronchodilators), wine cork removers, gas and in air driers for removing the moisture from compressed air. 1,1,1,2-Tetrafluoroethane has also been used to cool computers in some over clocking attempts. It is also commonly used as a propellant for air soft air guns.

### Direction For Use:

Connect directly to valve outlet. Should not be mixed with oxygen or air above atmospheric pressure for leak testing or any other purpose.

### Typical Properties:

Product Name	1,1,1,2-Tetrafluoroethane
Formula	CH <sub>2</sub> FCF <sub>3</sub>
Molar Mass:	102.03 g/mol
Density at 25°C	1.206 g/m <sup>3</sup>
Boiling Point	-26.1°C
Melting Point	-103.15°C
GWP Values	1200



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ODP Value	Nil
Purity	99.9%
Moisture	≤ 0.003%
Acid	≤ 0.0001%
Evaporating Residue	≤ 0.01%
Non Condensable Gas at 25°C	≤ 1.5%
Chlorides Ion Test	Pass

## Storage and Shelf Life:

Pressurized gas, keep in well ventilated place away from fire risk.

Avoid source of heat such as electric or steam radiators. Avoid storing near to the intake of Air conditioning unit, boiler unit & open drains. Do not pierce or burn even after use. Do not spray on naked flame or any incandescent materials. Keep out of reach of children.

Vapour reduces oxygen available for breathing, Can cause rapid suffocation. Inhalation and mishandling of the product can result in serious injury or death. High pressure Liquefied gas can cause severe injury.

Always wear eye protector when handling. Do not inhale vapour. Do not apply pressure more above 1 Mpa (145 psi) when connected to an air conditioner. Do not give violent impact. Protect from corrosion. Contact with chlorine or other strong oxidizing agents should be avoided.

**First Aid:** If inhaled, move to fresh air. If not breathing give artificial respiration. If breathing difficult administer oxygen. Call Physician. In case of eye contact, flush eyes promptly for atleast 15 minutes. In case of skin contact flush exposed skin with lukewarm water.

## Packaging:

TANK : 13.6 KG, CAN - 340 GMS 30 PCS/CTN, 1000 GMS 15 PCS/CTN

## Shipping Limitations: None

### Note

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

**Non – Warranty:** Because the storage, handling and application of the material is beyond Anchor Allied Factory Ltd's control, we can accept no liability for the result obtained. Anchor Allied Factory Ltd's sole limited warranty is the product meets the manufacturing specifications in effect at the time of shipment. There is no warranty or merchantability or fitness for use, nor any expressed or implied warranty. Anchor Allied Factory Ltd will not be liable for any incidental and consequential damage of any kind. The exclusive remedy for breach of such limited warranty is a replacement of any product shown to be other than warranted. Suggestions of uses should not be taken as inducement to infringe any patents.



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POLYURETHANE FOAM • SPRAY PAINT • SILVER CLOTH DUCT TAPE • CREPE PAPER MASKING TAPE • ALUMINIUM FOIL TAPE  
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