

# MATERIAL SAFETY DATA SHEET

## FRIGIDERM

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**Product/Chemical Name:** FRIGIDERM Synonym: Freon 114

**Formula:** Dichlorotetrafluoroethane

**Chemical Family:** Halogenated Hydrocarbon

**Physical Description:** Boiling Point: 38.9°F, Vapor pressure at 77°F 1621, Sp Gr at 77°F 1.456. Vapor density 5.9 (Air=1); Water solubility at 77°F 0.013. Evaporation rate: Rapid

**Special Hazards:** N/A

**Unusual Fire/Explosion Hazards:** None, Non-flammable.

**Reactivity:** Incompatible with alkalis or alkaline earth metals. Powered AL, Zn, Be, etc.

**Hazardous Decomposition Products:** Hydrochloric and hydrofluoric acids, possible carbonyl halides.

### Spill or Leak Procedures

**Action:** Ventilate area, especially low places where heavy vapors might collect.

**Disposal Method:** To be performed in compliance with all current local, state & Federal Regulations. Reclaim by distillation.

**Threshold Limit Value:** 1,000 ppm

**Overexposure Effects:** Light-headedness, giddiness, shortness of breath, possible narcosis, possible cardiac arrhythmias at high concentrations.

### First Aid Procedures

**Skin:** Flush with water. Treat for frostbite, if necessary.

**Eyes:** Check for and remove any contact lenses. Immediately flush with water for at least 15 minutes. Seek medical attention.

**Inhalation:** Remove to fresh air, call a physician. Do not give epinephrine or similar drugs.

**Storage Recommendations:** Store in a clean, dry area. Do not heat above 125°F.

### Special Protection Information

Use air mask in high concentrations, when large amounts are released, especially in low places.

### Special Handling Precautions

If using in liquid form, use protective gloves and eye protection.

