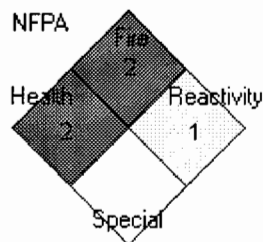


**MSDS - Material Safety Data Sheet****Product Name: Synlube 1711 Aerosol****MSDS No.: 042902****I. Basic Information:**

**Manufacturer:** Synair Corporation  
**Address:** 2003 Amnicola Highway, P.O.Box 5269  
**City, ST Zip:** Chattanooga, TN 37406  
**Phone Number:** 423-698-8801  
**Last Update:** 2/24/99  
**Chemical State:**  Liquid  Gas  Solid  
**Chemical Type:**  Pure  Mixture  
**Transportation Phone Emergency:** Chem-Trec 1-800-424-9300



2	Health
2	Flammability
1	Reactivity
H	Pers. Protection

**II. Ingredients:**

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB	Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
811972	1,1,1,2-Tetrafluoroethane	13-16							1000ppm	1000ppm	NE
1717006	1,1-Dichloro-1-fluoroethane	59-64						X	NE	500 ppm	NE
68476857	Liquefied Petroleum Gas	14-18							1000ppm	1000ppm	NE
0	Non-Hazardous Release Blend	4-7							NE	NE	NE

**III. Hazardous Identification:****Hazard Category:**

Acute  Chronic  Fire  Pressure  Reactive

**Hazardous Identification Information:**

Warning!

Clear, colorless liquid with a faint ether-like odor.

Incompatible with alkalis and strong oxidizing agents.

Avoid open flames, hot metal surfaces and other high temperature sources.

Repeated contact may cause minor skin and eye irritation.

**IV. First Aid Measures:****Route(s) of Entry:**

Inhalation, Ingestion, Skin and Eye contact.

**Health Hazards (Acute and Chronic):**

# MSDS - Material Safety Data Sheet

**Product Name:** *Synlube 1711 Aerosol*

**MSDS No.:** 042902

**Acute (Short-Term)**

Contact with the liquid may cause dryness of the skin and irritation of the eyes and throat. Inhalation of high concentrations of vapors may cause dizziness and nausea.

**Chronic (Delayed)**

Repeated contact may produce minor skin and eye irritation. Blood pressure depression may result from breathing high concentrations of vapors. Persons with pre-existing heart disease may be at an increased risk from exposure.

**Signs and Symptoms:**

Contact may cause minor skin and eye irritation. Inhalation of high concentrations of vapors may cause dizziness and nausea.

**Medical Conditions Generally Aggravated by Exposure:**

Blood pressure depression may result from breathing high concentrations of vapors. Persons with pre-existing heart disease may be at an increased risk of exposure.

**Emergency and First Aid Procedures:**

**SKIN CONTACT:** Wash affected area with warm soapy water and apply barrier cream.

**EYE CONTACT:** Flush eyes with water for at least 15 minutes and contact a physician.

**INGESTION:** Do NOT induce vomiting. Take 1-2 glasses of water or milk and contact a physician. Do not give anything by mouth to an unconscious person.

**INHALATION:** Remove person to fresh air. If person is not breathing give mouth-to-mouth resuscitation and contact a physician.

**Other Health Warnings:**

None known

## V. Fire Fighting Measures:

**Flash Point:** NE                      **Lower Explosive Limit:** NE                      **Upper Explosive Limit:** NE

**Fire Extinguishing Media:** Foam, water spray, carbon dioxide or dry chemical extinguishers.

**Special Fire Fighting Procedures:**

Firefighters should wear a self-contained breathing apparatus and protective clothing to guard against incompletely combusted carbon products and halogenated solvents.

**Unusual Fire and Explosion:**

In a fire, aerosol cans may explode. Cool cans with water spray and move to safety as soon as possible.

## VI. Accidental Release Measures:

**Steps to be Taken in Case Material is Released or Spilled:**

Ventilate spill area. Remove all sources of ignition. Cover liquid with an absorbent material (sawdust, vermiculite or wet sand). After the material is absorbed scoop up and place in containers for disposal.

## VII. Handling and Storage:

**Precautions to be Taken:**

Store in a cool, dry place away from sunlight or temperatures above 120°F. Vapors of this product are heavier than air and will collect in low places. Use in a well ventilated area.

**Other Precautions:**

Do not puncture or incinerate aerosol containers.

# MSDS - Material Safety Data Sheet

**Product Name:** *Synlube 1711 Aerosol*

**MSDS No.:** 042902

## VIII. Exposure Controls/Personal Protection:

### Ventilation Requirements:

Local Exhaust: Provide mechanical (general) and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

### Personal Protective Equipment:

RESPIRATORY PROTECTION: If airborne concentrations exceed established exposure limits, use a supplied air respirator or a purifying cartridge respirator suitable for organic vapors.

PROTECTIVE GLOVES: Impervious rubber gloves.

EYE PROTECTION: Wear safety glasses or goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: An apron or suitable clothing to prevent skin contact.

## IX. Physical and Chemical Properties:

Boiling Point: NA

Melting Point: NA

Evaporation Rate: <1

Vapor Pressure (mm Hg.): NE

Vapor Density (AIR = 1): >1

Solubility In Water: Nil

Appearance and Odor: Clear liquid; ether-like odor

Other Information: VOLATILITY @75°F: High

PERCENT VOLATILE BY VOLUME(%): 95%

SPECIFIC GRAVITY: 1.1

## X. Stability and Reactivity:

### Stability:

Stable

### Incompatibility (Materials to Avoid):

Alkalies and strong oxidizing agents. Avoid open flames, hot metal surfaces and other high temperature sources.

### Decomposition/By Products:

Hydrocarbon decomposition products at elevated temperatures, halogens, halogen acids and carbonyl halides.

### Hazardous Polymerization:

Will not occur.

## XI. Toxicological Information:

None Available

## XII. Ecological Information:

None Available

# MSDS - Material Safety Data Sheet

**Product Name:** *Synlube 1711 Aerosol*

**MSDS No.:** 042902

## **XIII. Disposal Considerations:**

Waste must be disposed of in accordance with federal, state and local environmental regulations.

## **XIV. Transport Information:**

Box, Aerosols, Non-Flammable  
2.2  
UN1950  
Hazardous

## **XV. Regulatory Information:**

SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372:

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
1,1-Dichloro-1-Fluoroethane (HCFC-141b)	1717-00-6	59-64%

## **XVI. Other Information:**

In this document the following abbreviations were used:

NA: Not Applicable  
NE: Not Established