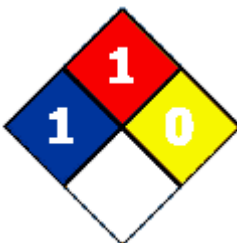




# Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Health Hazard</td> <td>1</td> </tr> <tr> <td>Fire Hazard</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	Health Hazard	1	Fire Hazard	1	Reactivity	0		
Health Hazard	1								
Fire Hazard	1								
Reactivity	0								

Issuing Date March 18, 2008

Revision Date May 14, 2008

Revision Number 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	<b>Component B for</b> Touch 'n Foam Professional Foam Kit (Reg) Touch 'n Seal Foam Kit (Reg)
<b>Recommended Use</b>	Insulation, Sealant
<b>Supplier Address</b>	Convenience Products, division of Clayton Corp. 866 Horan Drive Fenton, MO 63026-2416 USA TEL: (636) 349-5855
<b>Emergency Telephone Number</b>	Chemtrec 1-800-424-9300 (703) 527-3887 outside US

## 2. HAZARDS IDENTIFICATION

Emergency Overview		
May cause drowsiness and dizziness.		
<b>Appearance</b> Pale Amber	<b>Physical State</b> Liquid	<b>Odor</b> Faint hydrocarbon

### Potential Health Effects

#### Principle Routes of Exposure

Inhalation, Skin contact, Eye contact.

#### Acute Toxicity

##### Eyes

May cause slight irritation. Avoid contact with eyes.

##### Skin

May cause skin irritation and/or dermatitis. Contact with product may cause frostbite. Avoid contact with skin and clothing.

##### Inhalation

May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Irritating to mucous membranes. Avoid breathing vapors or mists.

##### Ingestion

Not an expected route of exposure. No known effect based on information supplied.

#### Chronic Effects

No known effect based on information supplied

#### Aggravated Medical Conditions

Central nervous system.

#### Environmental Hazard

See Section 12 for additional Ecological information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
1,1,1,2- Tetrafluoroethane (Non-Flammable Compressed Gas, HFC-134a, Fluorocarbon)	811-97-2	10-30
Proprietary Polyol Blend	Proprietary mixture	60-90

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. In case of contact with liquefied gas, thaw frosted parts with lukewarm water. If symptoms persist, call a physician.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.
<b>Notes to Physician</b>	Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Containers may explode when heated.
<b>Flash Point</b>	None
<b>Suitable Extinguishing Media</b>	Dry chemical, CO2, water spray or regular foam. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal.
<b>Unsuitable Extinguishing Media</b>	Do not scatter spilled material with high pressure water streams.
<b>Explosion Data</b>	
<b>Sensitivity to mechanical impact</b>	None
<b>Sensitivity to static discharge</b>	None

#### Specific Hazards Arising from the Chemical

Ruptured cylinders may rocket.

#### Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and protective suit.

<b>NFPA</b>	<b>Health Hazard</b> 1	<b>Flammability</b> 1	<b>Stability</b> 0	<b>Physical and Chemical Hazards</b> -
<b>HMS</b>	<b>Health Hazard</b> 1	<b>Flammability</b> 1	<b>Stability</b> 0	<b>Personal Precautions</b> -

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Ensure adequate ventilation
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Following product recovery, flush area with water.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with eyes. Ensure adequate ventilation. Do not breathe vapors or spray mist.
<b>Storage</b>	Keep containers tightly closed in a cool, well-ventilated place. Ideal Storage Temperature is 16-32 °C / 60 – 90 °F. Storage above 32°C / 90 °F will reduce its shelf-life. Never keep at temperatures above 48.8 °C / 120 °F. Protect the container from physical abuse. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1,1,1,2- Tetrafluoroethane HFC-134a	None-established	None-established	

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Tightly fitting safety goggles.
<b>Skin and Body protection</b>	Wear protective gloves/clothing.
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Pale Amber	<b>Odor</b>	Faint hydrocarbon
<b>Odor Threshold</b>	No information available	<b>Physical State</b>	Liquid (Frothable)
<b>pH</b>	No information available		
<b>Flash Point</b>	None	<b>Autoignition Temperature</b>	Not applicable
<b>Decomposition temperature</b>	No data available	<b>Boiling Point/Range</b>	-26°C / -15°F for HFC-134a
<b>Melting Point/Range</b>	No data available		
<b>Flammability Limits in Air</b>	No data available	<b>Explosion Limits</b>	No data available
<b>Specific Gravity</b>	1.1	<b>Water Solubility</b>	Not Compatible
<b>Solubility</b>	No data available	<b>Evaporation Rate</b>	No data available
<b>Vapor Pressure</b>	No data available	<b>Vapor Density</b>	No data available
<b>VOC Content</b>	Not applicable	<b>EPA VOC (g/l)</b>	0
<b>Partition Coefficient (n-octanol/water)</b>	No data available		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces and sources of ignition.
<b>Incompatible Products</b>	Oxidizing agents. Strong acids. Strong bases.
<b>Hazardous Decomposition Products</b>	Thermal decomposition can lead to release of irritating gases and vapors, Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ).
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Product Information** . No acute toxicity information is available for this product..

### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
1,1,1,2- Tetrafluoroethane HFC-134a	None-established	None-established	

### Subchronic Toxicity (28 days)

### Chronic Toxicity

**Carcinogenicity** There are no known carcinogenic chemicals in this product

### Mutagenicity

**Reproductive Toxicity** This product does not contain any known or suspected reproductive hazards

**Target Organ Effects** Central nervous system (CNS).

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Ecotoxicity effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)

Chemical Name	Log Pow
1,1,1,2- Tetrafluoroethane HFC-134a	1.061

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

### DOT

Proper Shipping Name Compressed gas, n.o.s. (1,1,1,2- Tetrafluoroethane, Nitrogen)  
Hazard Class 2.2  
Description NONFLAMMABLE GAS (Fluorocarbon, Nitrogen)

### TDG

Proper Shipping Name Compressed gas, n.o.s. (1,1,1,2- Tetrafluoroethane, Nitrogen)  
Hazard Class 2.2  
UN-No UN1956  
Description NONFLAMMABLE GAS (Fluorocarbon, Nitrogen)

### MEX

Proper Shipping Name Compressed gas, n.o.s. (1,1,1,2- Tetrafluoroethane, Nitrogen)  
Hazard Class 2.2  
UN-No UN1956  
Description NONFLAMMABLE GAS (Fluorocarbon, Nitrogen)

### ICAO

UN-No UN1956  
Proper Shipping Name Compressed gas, n.o.s. (1,1,1,2- Tetrafluoroethane, Nitrogen)  
Hazard Class 2.2  
Description NONFLAMMABLE GAS (Fluorocarbon, Nitrogen)

### IATA

UN-No UN1956  
Proper Shipping Name Compressed gas, n.o.s. (1,1,1,2- Tetrafluoroethane, Nitrogen)  
Hazard Class 2.2  
ERG Code 2L  
Description NONFLAMMABLE GAS (Fluorocarbon, Nitrogen)

### IMDG/IMO

Proper Shipping Name Compressed gas, n.o.s. (1,1,1,2- Tetrafluoroethane, Nitrogen)  
Hazard Class 2  
UN-No UN1956  
EmS No. F-D, S-U  
Description NONFLAMMABLE GAS (Fluorocarbon, Nitrogen)

### RID

Proper Shipping Name Compressed gas, n.o.s. (1,1,1,2- Tetrafluoroethane, Nitrogen)  
Hazard Class 2  
UN-No UN1956  
Classification Code 5A  
Description NONFLAMMABLE GAS (Fluorocarbon, Nitrogen)  
ADR/RID-Labels 2

### ADR

Proper Shipping Name Compressed gas, n.o.s. (1,1,1,2- Tetrafluoroethane, Nitrogen)  
Hazard Class 2  
UN-No UN1956  
Classification Code 5A  
ADR/RID-Labels 2

**Note: Transportation information provided is for reference only. Client is urged to consult 49 CFR 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.**

**15. REGULATORY INFORMATION**

**International Inventories**

<b>DSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>CHINA</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values
1,1,1,2- Tetrafluoroethane, HFC-134a	811-97-2	10-30	1.0

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	Yes
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
1,1,1,2- Tetrafluoroethane*, HFC-134a		X	X		

\* Workplace Environmental Exposure Level (AIHA) 8 hours TWA 1000ppm.

**International Regulations**

Chemical Name	Carcinogen Status	Exposure Limits

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**  
A Compressed gases



Chemical Name	NPRI
1,1,1,2- Tetrafluoroethane, HFC-134a	X

**Legend**  
NPRI - National Pollutant Release Inventory

**16. OTHER INFORMATION**

**Issuing Date** March 18, 2008  
**Revision Date** May 14, 2008  
**Revision Note** Container Sizes in product name removed

Add Part

**Disclaimer**  
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of MSDS**