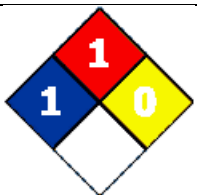




# Material Safety Data Sheet

| NFPA                                                                              | HMIS                                                                                                                                  | PPE           | Transport Symbol |             |   |            |   |                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------------|---|------------|---|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  | <table><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 7-September-2007

Revision Date

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                                   |                                                                                                                        |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>               | Component B for<br>Touch 'n Seal Refillable Foam Canister RF-17 (#4505100000)                                          |
| <b>Recommended Use</b>            | Insulation                                                                                                             |
| <b>Supplier Address</b>           | Convenience Products, division of Clayton Corp.<br>866 Horan Drive<br>Fenton, MO 63026-2416 USA<br>TEL: (636) 349-5855 |
| <b>Emergency Telephone Number</b> | Chemtrec 1-800-424-9300<br>(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 Aerosol | <b>Odor</b> Faint hydrocarbon |
|------------------------------|--------------------------------------|-------------------------------|

### Potential Health Effects

**Principle Routes of Exposure** Inhalation, Skin contact, Eye contact.

### Acute Toxicity

|                   |                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eyes</b>       | May cause slight irritation. Avoid contact with eyes.                                                                                                                        |
| <b>Skin</b>       | May cause skin irritation and/or dermatitis. Contact with product may cause frostbite. Avoid contact with skin and clothing.                                                 |
| <b>Inhalation</b> | May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Irritating to mucous membranes. Avoid breathing vapors or mists. |
| <b>Ingestion</b>  | 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 % |
|-----------------------|---------|----------|
| Chlorodifluoromethane | 75-45-6 | 10-30    |

## 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. |

|                    |                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation         | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, call a physician. |
| Ingestion          | Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.                                                   |
| Notes to Physician | Treat symptomatically                                                                                                                            |

## 5. FIRE-FIGHTING MEASURES

|                                                       |                                                                                                                                                           |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flammable Properties                                  | Containers may explode when heated.                                                                                                                       |
| Flash Point                                           | None                                                                                                                                                      |
| Suitable Extinguishing Media                          | 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. |
| Unsuitable Extinguishing Media                        | Do not scatter spilled material with high pressure water streams.                                                                                         |
| Explosion Data                                        |                                                                                                                                                           |
| Sensitivity to mechanical impact                      | None                                                                                                                                                      |
| Sensitivity to static discharge                       | 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> | Health Hazard 1 | Flammability 1 | Stability 0 | Physical and Chemical Hazards - |
| <b>HMIS</b> | Health Hazard 1 | Flammability 1 | Stability 0 | Personal Precautions -          |

## 6. ACCIDENTAL RELEASE MEASURES

|                         |                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Precautions    | Ensure adequate ventilation                                                                                                                               |
| Methods for Containment | Prevent further leakage or spillage if safe to do so.                                                                                                     |
| Methods for Cleaning Up | 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

|          |                                                                                                                                                                                                       |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling | 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. |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|         |                                                                                                                                                                                                                                    |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage | <u>Keep out of the reach of children.</u> Keep containers tightly closed in a dry, cool and well-ventilated place. <u>Recommended storage temperature is 15-32°C/60-90°F. Storage temperature should never be over 49°C/120°F.</u> |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name         | ACGIH TLV     | OSHA PEL                                     | NIOSH IDLH |
|-----------------------|---------------|----------------------------------------------|------------|
| Chlorodifluoromethane | TWA: 1000 ppm | TWA: 1000 ppm<br>TWA: 3500 mg/m <sup>3</sup> |            |

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures

Showers  
Eyewash stations  
Ventilation systems

Personal Protective Equipment

Eye/Face Protection  
Skin and Body protection  
Respiratory Protection

Tightly fitting safety goggles.  
Wear protective gloves/clothing.  
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                         |                          |                          |                   |
|-----------------------------------------|--------------------------|--------------------------|-------------------|
| Appearance                              | Pale Amber               | Odor                     | Faint hydrocarbon |
| Odor Threshold                          | No information available | Physical State           | Liquid Aerosol    |
| pH                                      | No information available |                          |                   |
| Flash Point                             | ≥ 100°C/212°F            | Autoignition Temperature | Not applicable    |
| Decomposition temperature               | No data available        | Boiling Point/Range      | -42°C / -44°F     |
| Melting Point/Range                     | No data available        |                          |                   |
| Flammability Limits in Air              | No data available        | Explosion Limits         | No data available |
| Specific Gravity                        | 1.1                      | Water Solubility         | Not Compatible    |
| Solubility                              | No data available        | Evaporation Rate         | No data available |
| Vapor Pressure                          | No data available        | Vapor Density            | No data available |
| VOC Content                             | Not applicable           | EPA VOC (g/l)            | 0                 |
| Partition Coefficient (n-octanol/water) | No data available        |                          |                   |

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## 10. STABILITY AND REACTIVITY

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Stability                        | Stable under recommended storage conditions                                                                                        |
| Conditions to Avoid              | Keep away from open flames, hot surfaces and sources of ignition.                                                                  |
| Incompatible Products            | Oxidizing agents. Strong acids. Strong bases.                                                                                      |
| Hazardous Decomposition Products | Thermal decomposition can lead to release of irritating gases and vapors, Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ). |
| Hazardous Polymerization         | 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        |
|-----------------------|-----------|-------------|------------------------|
| Chlorodifluoromethane |           |             | 220000 ppm ( Rat ) 4 h |

## Chronic Toxicity

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| <b>Carcinogenicity</b> | There are no known carcinogenic chemicals in this product |
|------------------------|-----------------------------------------------------------|

### Mutagenicity

|                              |                                                                           |
|------------------------------|---------------------------------------------------------------------------|
| <b>Reproductive Toxicity</b> | This product does not contain any known or suspected reproductive hazards |
|------------------------------|---------------------------------------------------------------------------|

|                             |                               |
|-----------------------------|-------------------------------|
| <b>Target Organ Effects</b> | Central nervous system (CNS). |
|-----------------------------|-------------------------------|

|                                        |                                                                           |
|----------------------------------------|---------------------------------------------------------------------------|
| <b>Endocrine Disruptor Information</b> | This product does not contain any known or suspected endocrine disruptors |
|----------------------------------------|---------------------------------------------------------------------------|

### Ecotoxicity

**Ecotoxicity effects.**

| Chemical Name         | Log Pow |
|-----------------------|---------|
| Chlorodifluoromethane | 1.08    |

|                              |                                                                                                               |
|------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Waste Disposal Method</b> | This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261). |
|------------------------------|---------------------------------------------------------------------------------------------------------------|

|                               |                                                  |
|-------------------------------|--------------------------------------------------|
| <b>Contaminated Packaging</b> | Dispose of in accordance with local regulations. |
|-------------------------------|--------------------------------------------------|

## DOT

|                      |                                        |
|----------------------|----------------------------------------|
| Proper Shipping Name | <u>Compressed Gas, N.O.S.</u>          |
| Hazard Class         | <u>Class 2.2 UN 1956</u>               |
| Description          | <u>Chlorodifluoromethane, Nitrogen</u> |

**Deleted:** Consumer commodity

**Deleted: ORM-D**

**TDG**

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Proper Shipping Name | <u>Compressed Gass, N.O.S.</u>                   |
| Hazard Class         | <u>2.2</u>                                       |
| UN-No                | <u>UN 1956</u>                                   |
| Description          | <u>Compressed Gass, N.O.S. Class 2.2 UN 1956</u> |

**Deleted:** Consumer commodity, ORM-D,

**Deleted:** Aerosols

Deleted: 2.2

**Deleted:** UN1950

**Deleted:** AEROSOLS,2.2,UN1950

Deleted: MEX

**Deleted:**

15. REGULATORY INFORMATION

International Inventories

|               |          |
|---------------|----------|
| DSL           | Complies |
| EINECS/ELINCS | Complies |
| ENCS          | Complies |
| CHINA         | Complies |
| KECL          | Complies |
| PICCS         | Complies |
| AICS          | 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 |
|-----------------------|---------|----------|-----------------------------|
| Chlorodifluoromethane | 75-45-6 | 10-30    | 1.0                         |

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire Hazard                       | Yes |
| Sudden Release of Pressure Hazard | Yes |
| Reactive Hazard                   | 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.

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

| Chemical Name         | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|-----------------------|---------------|------------|--------------|----------|--------------|
| Chlorodifluoromethane | X             | X          | X            |          | X            |

**International Regulations**

**Canada**

Deleted: ¶

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 |
|-----------------------|------|
| Chlorodifluoromethane | X    |

**Legend** NPRI - National Pollutant Release Inventory

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**16. OTHER INFORMATION**

Issuing Date 27-Feb-2007

Revision Date ~~11-Sept-2007~~

Deleted:

Revision Note No information available

**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**