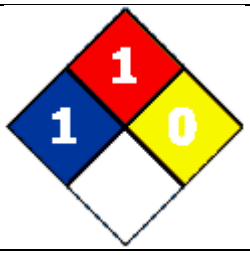
# Material Safety Data Sheet

| NFPA | HMIS | PPE | Transport Symbol |
|---|---|---|---|
|  |  |  |  |







**Issuing Date** 27-Feb-2007 **Revision Date** 10-May-2011 **Revision Number 5**

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name**
Component B for
Touch 'n Foam Professional Foam Kit 15 / 200 / 600 (std)
Touch 'n Seal Foam Kit 15 / 110 / 120 / 200 / 600 (std)

**Recommended Use** Insulation

**Product ID No:** MSDS / B Side Reg

**Supplier Address**
Convenience Products, division of Clayton Corp.
866 Horan Drive
Fenton, MO 63026-2416 USA
TEL: (636) 349-5855

**Emergency Telephone Number**
Chemtrec 1-800-424-9300
(703) 527-3887 outside US

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Contents under pressure.
May cause drowsiness and dizziness.

**Appearance** Pale Amber **Physical State** Liquid **Odor** 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. Avoid contact with skin and clothing.

**Skin Absorption** A single prolonged exposure is unlikely to result in the material being absorbed in harmful amounts.

**Inhalation** Maintain local exhaust ventilation system during use. If large concentrations of vapors build up they could cause upper respiratory tract and lung irritation. Inhalation of vapors in high concentration may cause shortness of breath (lung edema). Avoid breathing vapors or mists.

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

**Birth / Developmental Effects:** No known effect based on information supplied

**Chronic Effects** No known effect based on information supplied

**Aggravated Medical Conditions** Central nervous system.

**Interactions with Other Chemicals** Oxidizing agents. Strong acids. Strong Bases.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

## 4. FIRST AID MEASURES

**General Advice** If emergency warrants call 911 or emergency medical service. Show this safety data sheet to the doctor in attendance. Remove and wash soiled clothing before reuse.

**Eye Contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Obtain medical attention, preferably from an ophthalmologist.

**Skin Contact** Wash off immediately with plenty of water for at least 15 minutes. Remove soiled clothing; wash before reuse.

**Inhalation** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

**Ingestion** Clean mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Drink plenty of water. Never give anything by mouth to an unconscious person.

**Notes to Physician** Maintain adequate ventilation and oxygenation of the patient. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

**Protection of First-aiders** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. FIRE-FIGHTING MEASURES

**Flammable Properties** Pressurized cylinders exposed to fire can rupture.

**Flash Point** None

**Suitable Extinguishing Media** Isolate fire and deny unnecessary entry. Use an extinguishing agent suitable for type of surrounding fire. Dry chemical, $CO_2$, water spray, fog or regular foam. Stay upwind. Keep out of low areas where gases fumes can accumulate. Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.

**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** As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health Hazard** 1 | **Flammability** 1 | **Stability** 0 | **Physical and Chemical Hazards** - |
| **HMIS** | **Health Hazard** 1 | **Flammability** 1 | **Stability** 0 | **Personal Precautions** -B |

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Do not touch or walk through spilled material. Use appropriate safety equipment. Evacuate area. Keep personnel out of low areas, confined or poorly ventilated areas. Keep upwind of spill. Ensure adequate ventilation. No smoking in area. Only trained and properly protected personnel must be involved in clean-up operations.

**Methods for Containment**

If possible, turn leaking containers so that gas escapes rather than liquid. Allow substance to evaporate. Contain spilled materials if possible without risk. Absorb with materials such as Sawdust, dirt, and vermiculite. Collect in suitable and properly labeled open containers. Do not place in sealed containers. Wash what is left of the spill site with large quantities water.

**Methods for Cleaning Up**

Soak up with inert absorbent material (sand, silica sawdust). Sweep up and shovel into suitable containers for disposal. Do not direct water at spill or source of leak.

## 7. HANDLING AND STORAGE

**Handling**

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash soiled clothing before re-use. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust ventilation. Contents under pressure. Do not puncture or incinerate cylinders. Container, even those that have been emptied, can contain vapors. Do not stick any other sharp object into opening on top of cylinder.

**Storage**

Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep in an area equipped with sprinklers. Keep out of the reach of children. 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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| 1,1,1,2 – Tetrafluoroethane (HFC-134a, Fluorocarbon) | None-established | None-established | None-established |

*NIOSH IDLH: Immediately Dangerous to Life or Health*

**Engineering Measures**

Showers
Eyewash stations
Ventilation systems

**Personal Protective Equipment**

**Eye/Face Protection**

Tightly fitting safety glasses with side-shields.

**Skin and Body protection**

Lightweight protective clothing. Impervious gloves.

**Respiratory Protection**

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**

When using, do not eat, drink or smoke. Maintain regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Appearance** | Pale Amber | **Odor** | Faint hydrocarbon |
| **Odor Threshold** | No information available | **Physical State** | Liquid (Frothable) |
| **pH** | No information available | | |
| **Flash Point** | None | **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 | | |

## 10. STABILITY AND REACTIVITY

| | |
|---|---|
| **Stability** | Stable under recommended storage conditions |
| **Conditions to Avoid** | Keep away from open flames, hot surfaces and sources of ignition. Temperatures above 48.8 °C / 120 °F. |
| **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 (CO2). |
| **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 |
|---|---|---|---|
| 1,1,1,2 – Tetrafluoroethane (HFC-134a, Fluorocarbon) | Non-established | Non-established | Non-established |

**Chronic Toxicity** No Chronic toxicity information is available for this product

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

**Mutagenicity** No known mutagens

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

**Target Organ Effects** Contains component(s) that have been reported to cause effects on the following organs in animals: (CNS) Kidney, Liver.

**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) |
|---|---|---|---|---|
| 1,1,1,2 – Tetrafluoroethane (HFC-134a, Fluorocarbon) | None-established | | | None-established |

| Chemical Name | Log Pow |
|---|---|
| 1,1,1,2,-Tetrafluoroethane HFC-134a | 1.06 |

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). Should not be released into the environment. Dispose of in accordance with local regulations.

**Contaminated Packaging** Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

**DOT**

**UN-No** UN1956
**Proper Shipping Name** Compressed gas, n.o.s. (Fluorinated Hydrocarbon, Nitrogen)
**Hazard Class** 2.2
**ERG Code** Guide 126
**Description** Nonflammable gas, (Fluorinated Hydrocarbon, Nitrogen)
(Foam Kit 15 aerosol UN-No is UN1950 LTD QTY)

**TDG**

**UN-No** UN1956
**Proper Shipping Name** Compressed gas, n.o.s. (Fluorinated Hydrocarbon, Nitrogen)
**Hazard Class** 2.2
**Description** Nonflammable gas, (Fluorinated Hydrocarbon, Nitrogen)
(Foam Kit 15 aerosol UN-No is UN1950)

**MEX**

**UN-No** UN1956
**Proper Shipping Name** Compressed gas, n.o.s. (Fluorinated Hydrocarbon, Nitrogen)
**Hazard Class** 2.2
**Description** Nonflammable gas, (Fluorinated Hydrocarbon, Nitrogen)
(Foam Kit 15 aerosol UN-No is UN1950)

**ICAO**

**UN-No** UN1956
**Proper Shipping Name** Compressed gas, n.o.s. (Fluorinated Hydrocarbon, Nitrogen)
**Hazard Class** 2.2
**Description** Nonflammable gas, (Fluorinated Hydrocarbon, Nitrogen)
(Foam Kit 15 aerosol UN-No is UN1950)

## 14. TRANSPORT INFORMATION

**IATA**

| | |
|---|---|
| **UN-No** | UN1956 |
| **Proper Shipping Name** | Compressed gas, n.o.s. (Fluorinated Hydrocarbon, Nitrogen) |
| **Hazard Class** | 2.2 |
| **ERG Code** | 2L |
| **Description** | Nonflammable gas, (Fluorinated Hydrocarbon, Nitrogen)<br>(Foam Kit 15 aerosol UN-No is UN1950 LTD QTY) |

**IMDG/IMO**

| | |
|---|---|
| **UN-No** | UN 1956 |
| **Proper Shipping Name** | Compressed gas, n.o.s. (Fluorinated Hydrocarbon, Nitrogen) |
| **Hazard Class** | 2.2 |
| **EmS No.** | F-D, S-U |
| **Description** | Nonflammable gas, (Fluorinated Hydrocarbon, Nitrogen)<br>(Foam Kit 15 aerosol UN-No is UN1950 LTD QTY) |

**RID**

| | |
|---|---|
| **UN-No** | UN 1956 |
| **Proper Shipping Name** | Compressed gas, n.o.s. (Fluorinated Hydrocarbon, Nitrogen) |
| **Hazard Class** | 2 |
| **Classification Code** | 5A |
| **Description** | Nonflammable gas, (Fluorinated Hydrocarbon, Nitrogen) |
| **ADR/RID-Labels** | 2<br>(Foam Kit 15 aerosol UN-No is UN1950) |

**ADR**

| | |
|---|---|
| **UN-No** | UN1956 |
| **Proper Shipping Name** | Compressed gas, n.o.s. (Fluorinated Hydrocarbon, Nitrogen) |
| **Hazard Class** | 2 |
| **Classification Code** | 5A |
| **ADR/RID-Labels** | 2<br>(Foam Kit 15 aerosol UN-No is UN1950) |

**ADN**

| | |
|---|---|
| **UN-No** | UN1956 |
| **Proper Shipping Name** | Compressed gas, n.o.s. (Fluorinated Hydrocarbon, Nitrogen) |
| **Hazard Class** | 2 |
| **Classification Code** | 5A |
| **Special Provisions** | 63, 190, 191, 277, 913 |
| **Description** | Nonflammable gas (Fluorinated Hydrocarbon, Nitrogen) |
| **Hazard Labels** | 2<br>(Foam Kit 15 aerosol UN-No is UN1950) |

## 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 |
|---|---|---|---|
| 1,1,1,2 – Tetrafluoroethane (HFC-134a, Fluorocarbon) | 811-97-2 | 10-30 | 1.0 |

**SARA 311/312 Hazard Categories**

| | |
|---|---|
| **Acute Health Hazard** | Yes |
| **Chronic Health Hazard** | No |
| **Fire Hazard** | No |
| **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.

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

| Chemical Name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|---|---|---|---|---|---|
| 1,1,1,2 – Tetrafluoroethane (HFC-134a, Fluorocarbon) | | X | X | | X |

## International Regulations

**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
WHMIS – Workplace Hazardous Materials Information System
TSCA – Toxic Substance Control Act
DSL – Domestic Substance List
EINECS – European Inventory of Existing Commercial Chemical Substances
ENCS – Japan, Existing and New Chemical Substances
KECL- Korean Existing Chemical List
PICS – Philippine Inventory of Chemicals and Chemical Substances
AICS – Australian Inventory of Chemical Substances
TDG – Transportation of Dangerous Goods Act
ICAO – International Civil Aviation Organization
IATA – International Maritime Dangerous Goods Code
IMDG – International Maritime Dangerous Goods Code
IECS - Inventory of Existing Chemical Substances (China)
NZ CLSC – New Zealand Interim Inventory of Chemicals.

## 16. OTHER INFORMATION

| | |
|---|---|
| **Issuing Date** | 27-Feb-2007 |
| **Revision Date** | 10-May-2011 |
| **Revision Note** | Revised DOT section |

**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**