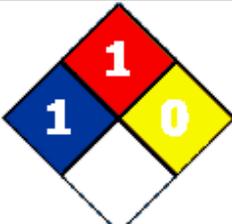


Material Safety Data Sheet

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 27-Feb-2007

Revision Date 10-Feb-2010

Revision Number 4

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.
Propellant displaces air, excessive buildup may cause drowsiness and dizziness.

Appearance Pale Amber	Physical State Liquid	Odor Faint hydrocarbon
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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 (CO ₂).
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
Description Nonflammable gas, (Fluorinated Hydrocarbon, Nitrogen) (Foam Kit 15 aerosol UN-No is UN1950)

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)

IATA

UN-No UN1956
Proper Shipping Name Compressed gas, n.o.s. (Fluorinated Hydrocarbon, Nitrogen)
Hazard Class 2.2
ERG Code 2L

14. TRANSPORT INFORMATION

Description Nonflammable gas, (Fluorinated Hydrocarbon, Nitrogen)
 (Foam Kit 15 aerosol UN-No is UN1950)

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)
 (Foam Kit 15 aerosol UN-No is UN1950)

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
 (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
 (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
 (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

COMPONENT B for
 Touch 'n Seal Foam Kit 15 / 110 / 200 / 600 (std)
 Touch 'n Foam Professional Foam Kit 15 / 200 / 600 (std)

Revision Date 02/10/2010

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

COMPONENT B for
Touch 'n Seal Foam Kit 15 / 110 / 200 / 600 (std)
Touch 'n Foam Professional Foam Kit 15 / 200 / 600 (std)

Revision Date 02/10/2010

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-Feb-2010
Revision Note	Revised format, change Rev date. Revised by Clayton Corporation EHS Department

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