

Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Health Hazard</td> <td align="center">1</td> </tr> <tr> <td>Fire Hazard</td> <td align="center">4</td> </tr> <tr> <td>Reactivity</td> <td align="center">0</td> </tr> </table>	Health Hazard	1	Fire Hazard	4	Reactivity	0		
Health Hazard	1								
Fire Hazard	4								
Reactivity	0								

Issuing Date 01-Mar-2007

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Touch 'n Foam® Latex Foam Sealant
Touch 'n Seal® Latex Gun Foam Sealant

Synonyms

Recommended Use Insulation

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

WARNING!

Emergency Overview

Flammable gas.
May cause slight irritation.
May cause drowsiness and dizziness.
May cause adverse cardiovascular effects.

Appearance Opaque white

Physical State Liquid Aerosol

Odor Hydrocarbon-like

Potential Health Effects

Acute Toxicity

Eyes	Contact with eyes may cause irritation.
Skin	Substance may cause slight skin irritation. Will bond to skin.
Inhalation	Irritating to respiratory system. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Inhalation of vapors in high concentration may cause shortness of breath (lung edema).
Ingestion	May be harmful if swallowed. May cause additional effects as listed under "Inhalation". Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Product may cure in the gastrointestinal tract and form an obstruction. May cause adverse cardiac effects, blood disturbances, and metabolic acidosis.

Chronic Effects

Repeated or prolonged exposure may cause central nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.

Aggravated Medical Conditions

Skin disorders. Respiratory disorders. Central nervous system.

Interactions with Other Chemicals

Irritants. Use of alcoholic beverages may enhance toxic effects.

Environmental Hazard

See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Dimethyl ether	115-10-6	1-5
Propane	74-98-6	1-5
Isobutane	75-28-5	1-5

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact	Wash skin with soap and water. If symptoms persist, call a physician.
Inhalation	Move victim to fresh air. If symptoms persist, call a physician. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Call a physician immediately.
Ingestion	Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties	Containers may explode when heated.			
Flash Point	-104°C / -155°F			
Suitable Extinguishing Media	Use extinguishing agent suitable for type of surrounding fire. Dry chemical or CO2. Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.			
<u>Explosion Data</u>				
	Sensitivity to mechanical impact	None		
	Sensitivity to static discharge	Yes.		
Specific Hazards Arising from the Chemical	Some may burn but none ignite readily. Ruptured cylinders may rocket.			
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus and protective suit.			
NFPA	Health Hazard 1	Flammability 4	Stability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 1	Flammability 4	Stability 0	Personal Precautions -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Do not touch or walk through spilled material. Stop leak if you can do it without risk.
Methods for Containment	If possible, turn leaking containers so that gas escapes rather than liquid. Allow substance to evaporate.
Methods for Cleaning Up	Do not direct water at spill or source of leak.
Other Information	Ventilate the area.

7. HANDLING AND STORAGE

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Handling Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin and eyes. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

Storage Keep out of the reach of children. Keep at temperatures below 48.8 °C / 120 °F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Propane	TWA: 1000 ppm	TWA: 1800 mg/m ³ TWA: 1000 ppm TWA: 1800 mg/m ³	2100 ppm
Isobutane	TWA: 1000 ppm	N/A	N/A

NIOSH IDLH: *Immediately Dangerous to Life or Health*

Engineering Measures Showers
 Eyewash stations
 Ventilation systems

Personal Protective Equipment
Eye/Face Protection Tightly fitting safety goggles.
Skin and Body protection 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 Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque white	Odor	Hydrocarbon-like
Odor Threshold	No information available	Physical State	Liquid Aerosol
pH	N/A		
Flash Point	-104°C / -155°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	1.0204	Water Solubility	Soluble in water
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)	60.0
Viscosity	Not applicable	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	Strong bases. Strong reducing agents.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors, Formaldehyde, 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
Dimethyl ether			308.5 mg/L (Rat) 4 h
Propane		658 mg/kg (Rat)	
Isobutane			658 mg/L (Rat) 4 h

Subchronic Toxicity (28 days)

Chronic Toxicity Repeated or prolonged exposure may cause central nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.

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), Eyes, Skin.

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

12. ECOLOGICAL INFORMATION

Ecotoxicity Ecotoxicity effects.

Chemical Name	Log Pow
Dimethyl ether	-0.18
Propane	2.3
Isobutane	2.88

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with local regulations. Allow foam to cure before disposal.

Contaminated Packaging Dispose of in accordance with local regulations

US EPA Waste Number D001

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Consumer commodity
Hazard Class ORM-D
Description Consumer commodity, ORM-D

TDG

Proper Shipping Name Aerosols
Hazard Class 2.1
UN-No UN1950
Description AEROSOLS,2.1,UN1950

MEX

Proper Shipping Name Aerosols
Hazard Class 2.1
UN-No UN1950
Description UN1950 Aerosols,2.1

ICAO

UN-No UN1950
Proper Shipping Name Aerosols
Hazard Class 2.1
Description Aerosols,UN1950

IATA

UN-No UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
ERG Code 10L
Description UN1950,Aerosols, flammable,2.1

IMDG/IMO

Proper Shipping Name Aerosols
Hazard Class 2
UN-No UN1950

14. TRANSPORT INFORMATION

EmS No.	F-D, S-U
Description	UN1950, Aerosols,2
RID	
Proper Shipping Name	Aerosols
Hazard Class	2
UN-No	UN1950
Classification Code	5A
Description	UN1950 Aerosols,2,RID
ADR/RID-Labels	2
ADR	
Proper Shipping Name	Aerosols
Hazard Class	2
UN-No	UN1950
Classification Code	5A
ADR/RID-Labels	2
ADN	
Proper Shipping Name	Aerosols
Hazard Class	2
Classification Code	5A
Special Provisions	63, 190, 191, 277, 913
Description	UN1950 Aerosols,2,
Hazard Labels	2
Limited Quantity	See SP277

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
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:

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
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.

Chemical Name	CAS-No	California Prop. 65
Lead	7439-92-1	Carcinogen Developmental Female Reproductive Male Reproductive
Mercury	7439-97-6	Developmental
Nickel	7440-02-0	Carcinogen
Chloroform	67-66-3	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ammonia	X	X	X		X
Propane	X	X	X		X
Isobutane	X	X	X		
Dimethyl ether	X	X	X		X
Lead	X	X	X	X	X
Mercury	X	X	X	X	X
Nickel	X	X	X	X	X
Arsenic	X	X	X	X	X
Chloroform	X	X	X	X	X

International Regulations

Mexico - Grade

Serious risk, Grade 3

The exposure limits values for 101-68-8 are listed under two synonyms:

Diphenylmethane diisocyanate - 0.02 ppm TWA; 0.2 mg/m³ TWA

Methylene bisphenyl isocyanate - 0.005 ppm TWA; 0.051 mg/m³ TWA

Chemical Name	Carcinogen Status	Exposure Limits
Ammonia		Mexico: TWA= 18 mg/m ³ Mexico: TWA= 25 ppm Mexico: STEL= 35 ppm Mexico: STEL= 27 mg/m ³
Lead	A3	
Mercury		Mexico: TWA= 0.05 mg/m ³
Nickel		Mexico: TWA= 1 mg/m ³
Arsenic	A1	Mexico: TWA= 0.01 mg/m ³
Chloroform	A3	Mexico: TWA= 10 ppm Mexico: TWA= 50 mg/m ³ Mexico: STEL= 225 mg/m ³ Mexico: STEL= 50 ppm

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

D2B Toxic materials