



# Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
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Issuing Date 22-Feb-2007

Revision Date

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	Touch 'n Foam Window & Door Sealant Touch 'n Foam Window & Door Gun Foam Touch 'n Seal No-Warp Gun Foam
<b>Recommended Use</b>	Insulation
<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

**DANGER!**

### Emergency Overview

May be harmful if swallowed, inhaled, or absorbed through skin

May produce an allergic reaction

May cause skin irritation and/or dermatitis

Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

**EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE**

Irritating to respiratory system.

May cause sensitization by skin contact

Vapors may be irritating to eyes, nose, throat, and lungs.

May cause drowsiness and dizziness.

**Appearance** White

**Physical State** Liquid

**Odor** Faint hydrocarbon

### Potential Health Effects

**Principle Routes of Exposure**

Inhalation, Skin contact, Eye contact.

**Acute Toxicity**

**Eyes**

May cause eye irritation with susceptible persons. Causes burns. Contact with eyes may cause irritation.

<b>Skin</b>	May be harmful in contact with skin. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Causes burns.
<b>Inhalation</b>	May cause eye/skin irritation.
<b>Ingestion</b>	May be harmful if inhaled. May cause allergic respiratory reaction. May cause irritation of respiratory tract.
<b>Chronic Effects</b>	May be harmful if swallowed. May cause additional affects as listed under "Inhalation". Ingestion may cause irritation to mucous membranes.
<b>Aggravated Medical Conditions</b>	Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.
<b>Interactions with Other Chemicals</b>	Allergies. Skin disorders. Respiratory disorders. Central nervous system. Preexisting eye disorders.
<b>Environmental Hazard</b>	Irritants. Sensitizers. Epoxies. Use of alcoholic beverages may enhance toxic effects.
<b>Environmental Hazard</b>	See Section 12 for additional Ecological information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Methylene bisphenyl isocyanate (MDI)	101-68-8	10-30
Isobutane	75-28-5	1-5
Propane	74-98-6	1-5

### 4. FIRST AID MEASURES

<b>General Advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.
<b>Eye Contact</b>	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. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Consult a physician if necessary. Immediate medical attention is not required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air. Consult a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Artificial respiration and/or oxygen may be necessary. Oxygen or artificial respiration if needed. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do not induce vomiting. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Notes to Physician</b>	May cause sensitization of susceptible persons. Use of epinephrine may be indicated. Treat symptomatically.
<b>Protection of First-aiders</b>	Remove all sources of ignition. Use personal protective equipment.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	EXTREMELY FLAMMABLE.
<b>Flash Point</b>	-104°C / -155°F
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Explosion Data**

Sensitivity to mechanical impact None  
 Sensitivity to static discharge Yes

**Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Flash back possible over considerable distance.

**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

<b>NFPA</b>	<b>Health Hazard 2</b>	<b>Flammability 4</b>	<b>Stability 0</b>	<b>Physical and Chemical Hazards -</b>
<b>HMIS</b>	<b>Health Hazard 2</b>	<b>Flammability 4</b>	<b>Stability 0</b>	<b>Personal Precautions -</b>

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Take precautionary measures against static discharges. Use personal protective equipment. Keep people away from and upwind of spill/leak.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so
<b>Methods for Cleaning Up</b>	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

**7. HANDLING AND STORAGE**

<b>Handling</b>	Ensure adequate ventilation. 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. Take precautionary measures against static discharges. 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. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist.
<b>Storage</b>	Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep in an area equipped with sprinklers. Keep containers tightly closed in a cool, well-ventilated place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methylene bisphenyl isocyanate (MDI)	TWA: 0.005 ppm	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m <sup>3</sup>	75 mg/m <sup>3</sup>
Isobutane	TWA: 1000 ppm	N/A	N/A
Propane	TWA: 1000 ppm	TWA: 1000 ppm	2100 ppm

NIOSH IDLH: Immediately Dangerous to Life or Health

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
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**Personal Protective Equipment**

<b>Eye/Face Protection</b>	Safety glasses with side-shields. Tightly fitting safety goggles. Face-shield.
<b>Skin and Body protection</b>	Antistatic boots. Wear fire/flame resistant/retardant clothing. Impervious gloves. Long sleeved clothing. Apron.
<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

**Hygiene Measures**

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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	White	<b>Odor</b>	Faint hydrocarbon
<b>Odor Threshold</b>	No information available	<b>Physical State</b>	Liquid
<b>pH</b>	No information available		
<b>Flash Point</b>	-104°C / -155°F	<b>Autoignition Temperature</b>	Not applicable
<b>Decomposition temperature</b>	No data available	<b>Boiling Point/Range</b>	-42°C / -44°F
<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>	1.01	<b>Water Solubility</b>	Not Compatible
<b>Solubility</b>	Compatible.	<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>	137
<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>	Heating in air.
<b>Incompatible Products</b>	None known based on information supplied
<b>Hazardous Decomposition Products</b>	None known based on information supplied
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Methylene bisphenyl isocyanate (MDI)	9200 mg/kg ( Rat )		
Isobutane			658 mg/L ( Rat ) 4 h
Propane		658 mg/kg ( Rat )	

**Subchronic Toxicity (28 days)**

**Chronic Toxicity**

**Chronic Toxicity** Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

**Carcinogenicity** This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), potentially carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

**Mutagenicity**

**Reproductive Toxicity** This product does not contain any known or suspected reproductive hazards  
**Target Organ Effects** Central nervous system (CNS), Eyes, Respiratory system.  
**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors

**12. ECOLOGICAL INFORMATION**

This product contains a chemical which is listed as a severe marine pollutant according to DOT

**Ecotoxicity**

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

Chemical Name	Log Pow
Isobutane	2.88
Propane	2.3

**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  
**US EPA Waste Number** D001

**14. TRANSPORT INFORMATION**

**DOT**  
**Proper Shipping Name** Consumer commodity  
**Hazard Class** ORM-D  
**Marine Pollutant** This product contains a chemical which is listed as a severe marine pollutant according to DOT.  
**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** 2.2  
**UN-No** UN1950  
**Description** UN1950 Aerosols,2.2,

**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

## 14. TRANSPORT INFORMATION

**Hazard Class** 2  
**UN-No** UN1950  
**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

**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 does not contain any 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
Methylene bisphenyl isocyanate (MDI)	101-68-8	10-30	1.0

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
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).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Methylene bisphenyl isocyanate (MDI)	5000 lb	

**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
Methylene bisphenyl isocyanate (MDI)	X	X	X	X	X
Dimethyl ether	X	X	X		X
Propane	X	X	X		X
Isobutane	X	X	X		

**International Regulations**

**Mexico - Grade**

The exposure limits values for 101-68-8 are listed under two synonyms:  
 Diphenylmethane diisocyanate - 0.02 ppm TWA; 0.2 mg/m<sup>3</sup> TWA  
 Methylene bisphenyl isocyanate - 0.005 ppm TWA; 0.051 mg/m<sup>3</sup> TWA

Chemical Name	Carcinogen Status	Exposure Limits
Methylene bisphenyl isocyanate (MDI)		Mexico: TWA= 0.2 mg/m <sup>3</sup> Mexico: TWA= 0.02 ppm Mexico: TWA= 0.005 ppm Mexico: TWA= 0.051 mg/m <sup>3</sup>

**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**

B2 Flammable liquid  
 D2A Very toxic materials



Chemical Name	NPRI
Methylene bisphenyl isocyanate (MDI)	X

**Legend**

NPRI - National Pollutant Release Inventory

**16. OTHER INFORMATION**

**Issuing Date** 22-Feb-2007

**Revision Date**

**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**