



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

Product Name	Touch 'n Foam Window & Door Sealant Touch 'n Foam Window & Door Gun Foam Touch 'n Seal No-Warp Gun Foam
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

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.

Skin	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.
Inhalation	May cause eye/skin irritation.
Ingestion	May be harmful if inhaled. May cause allergic respiratory reaction. May cause irritation of respiratory tract.
Chronic Effects	May be harmful if swallowed. May cause additional affects as listed under "Inhalation". Ingestion may cause irritation to mucous membranes.
Aggravated Medical Conditions	Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.
Interactions with Other Chemicals	Allergies. Skin disorders. Respiratory disorders. Central nervous system. Preexisting eye disorders.
Environmental Hazard	Irritants. Sensitizers. Epoxies. 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 %
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

General Advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.
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. If symptoms persist, call a physician.
Skin Contact	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.
Inhalation	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.
Ingestion	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.
Notes to Physician	May cause sensitization of susceptible persons. Use of epinephrine may be indicated. Treat symptomatically.
Protection of First-aiders	Remove all sources of ignition. Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties	EXTREMELY FLAMMABLE.
Flash Point	-104°C / -155°F
Suitable Extinguishing Media	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

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

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	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.
Methods for Containment	Prevent further leakage or spillage if safe to do so
Methods for Cleaning Up	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

Handling	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.
Storage	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 ³	75 mg/m ³
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

Engineering Measures	Showers Eyewash stations Ventilation systems
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Personal Protective Equipment

Eye/Face Protection	Safety glasses with side-shields. Tightly fitting safety goggles. Face-shield.
Skin and Body protection	Antistatic boots. Wear fire/flame resistant/retardant clothing. Impervious gloves. Long sleeved clothing. Apron.
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. Regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White	Odor	Faint hydrocarbon
Odor Threshold	No information available	Physical State	Liquid
pH	No information available		
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	1.01	Water Solubility	Not Compatible
Solubility	Compatible.	Evaporation Rate	No data available
Vapor Pressure	No data available	Vapor Density	No data available
VOC Content	Not applicable	EPA VOC (g/l)	137
Partition Coefficient (n-octanol/water)	No data available		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Conditions to Avoid	Heating in air.
Incompatible Products	None known based on information supplied
Hazardous Decomposition Products	None known based on information supplied
Hazardous Polymerization	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/m³ TWA
 Methylene bisphenyl isocyanate - 0.005 ppm TWA; 0.051 mg/m³ TWA

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

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