

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT INFORMATION

### This MSDS Covers Products:

Touch 'n Foam<sup>®</sup> All-Direction Dispensing Triple Expanding;  
Touch 'n Foam<sup>®</sup> All-Direction Dispensing Minimal Expanding;  
Touch 'n Foam<sup>®</sup> All-Direction Dispensing Fast Drying;  
Reddy Insulation<sup>®</sup>; Fill-It! Foam Insulating Sealant;  
Touch 'n Foam<sup>®</sup> Landscape & Repair Filler-Sealant-Adhesive (Black Foam)

### Manufacturer:

Convenience Products  
866 Horan Drive  
Fenton, MO. 63026-2416 USA

Emergency Number: 1-800-424-9300 (Chemtrec) (636) 349-5333 (Convenience Products)

Prepared by Jay Zhang Approved by Dr. Joe Lott 09/01/2005

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>CHEMICAL NAME</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>PERCENTAGE</u>
Methylene bisphenyl isocyanate**	101-68-8	0.02 ppm	0.005 ppm	7-20
Polymethylene Polyphenyl Isocyanate	9016-87-9	*NE	*NE	20-55
Polyether Polyol	Mixture	*NE	*NE	10-40
Dimethylether	115-10-6	*NE	*NE	0-8
Propane	74-98-6	1000 ppm	1000 ppm	2-10
Isobutane	75-28-5	1000 ppm	1000 ppm	2-10

\*Not established

\*\* None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

<b>HMIS</b>	Health 3	Flammability 4	Reactivity 1
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## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	-43.7°F (-42°C) (Estimated for Propellant)
Vapor Pressure	165 psig at 130°
Vapor Density	(AIR = 1) Heavier than Air
Specific Gravity	(H <sub>2</sub> O = 1) 1.01 g/ml at 25°C
Solubility in Water	N/A
Appearance and Odor	Gel under pressure/faint hydrocarbon odor

#### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	Estimated: -156°F (-104°C)
Flammable Limits in air % by Volume	UEL Upper 10% (Estimated) LEL Lower 1.8% (Estimated)
Extinguishing Media	Water fog, foam, CO <sub>2</sub> , or dry chemical
Fire Fighting Procedures	Fire fighters should wear full self-contained breathing apparatus and full protective clothing.
Unusual Hazards	Avoid storage temperatures above 120°F to prevent can explosions. Avoid water contamination in closed container.

#### SECTION V - REACTIVITY DATA

Stability	Stable under normal storage and handling conditions. Do not store above 120°F. Cured foam will deteriorate when exposed to UV light.
Incompatibility	Water, alcohols, strong bases, finely powdered metal such as aluminum, magnesium or zinc, and strong oxidizers.
Conditions/Hazards to Avoid	Contamination with water may form CO <sub>2</sub> . Avoid high heat; i.e., flames, extremely hot metal surfaces, heating elements, combustion engines, etc. Do not store in auto or direct sunlight.

#### SECTION VI - HEALTH HAZARD DATA

The primary adverse health effects of this material are related to the Polymeric Isocyanate (MDI) component, and, to a lesser degree, the Liquefied Petroleum Gas (Hydrocarbon) component. Adequate ventilation should be provided to avoid exceeding the exposure limits of these components. If used indoors, mechanical ventilation or exhaust should be provided during use and until foam is cured and vapor of the Liquefied Petroleum Gas (Hydrocarbon) is vented out of the build.

Inhalation MDI vapors may cause irritation of the mucous membranes of the nose, throat or trachea, which may cause chest discomfort, coughing, and allergic asthma-like sensitivity. Air-borne overexposure well above the PEL may result additionally in eye irritation, headache, chemical bronchitis, asthma-like findings or pulmonary edema.

Inhaling concentrated the Liquefied Petroleum Gas (Hydrocarbon) can cause lightheadedness, headaches, or lethargy. Person with cardiac arrhythmia may be at increased risk in server exposure.

Skin Contact: may result in localized irritation, reddening or swelling. Prolonged or repeated exposure may lead to sensitization and/or dermatitis.

Eyes Contact: may result in eye irritation and mild corneal opacity due to adhesive character.

Ingestion: may cause irritation of mucous membranes in the mouth and digestive tract.

#### Emergency and First Aid Procedures

Inhalation - Remove to fresh air. Get immediate medical attention.

Skin - Immediately clean wet foam from skin, using Touch n' Foam Cleaner or acetone – do not use water. If foam dries on skin, apply generous amounts of petroleum jelly or lanolin, put on plastic gloves and wait 1 hour. With a clean cloth, firmly wipe off petroleum jelly and repeat process. Do not attempt to remove dried foam with solvent. Cured foam wears off and is not harmful to health.

Eye - In case of eye contact, flush with water for 15 minutes. Get immediate medical attention.

Ingestion - In case of ingestion, get immediate medical attention.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spills/Leaks	If can ruptures, protect area from heat, sparks, flames, or static electricity. Turn off sources of ignition. Vapors are heavier than air. Make sure area is adequately ventilated. Allow foaming process to complete; then dispose according to federal, state, and local regulation.
Waste Disposal	Dispose of cured foam per federal, state, and local regulations.
Container Disposal	Dispose according to federal, state, and local regulations. Before disposing of containers, relieve container of any remaining foam and pressure. Allow foam to fully cure before disposing.
Storage	Always store upright. Storage temperatures: min. 0°F, max. 100°F. Do not store containers in direct sunlight.

## SECTION VIII - PERSONAL PROTECTION

Respiratory Protection	Not applicable
Clothing	Wear gloves and safety glasses. Use in well ventilated areas only. See section IV.
Eye Protection	Safety glasses.
Ventilation	Maintain local exhaust rate to keep below TLV.

## SECTION IX - REGULATORY INFORMATION

**SARA** - This product contains a toxic chemical (or chemicals) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR 372).

NAME	CAS NO.	AMOUNT
Methylene bisphenyl isocyanate	101-68-8	7-20%

**TSCA** – Inventory Status: all chemicals contained in this product are listed on TSCA inventory.

**CERCLA** - Reportable Quantity - yes ... (40CFR 302.4).....(5000 lb. of Methylene bisphenyl isocyanate)

**RCRA** Hazardous Waste - No

**DOT** Proper Shipping Name - Consumer Commodity

**Diphenylmethane Diisocyanate (cas# 101-68-8) is cited on certain state lists as follow:**

NJ2=New Jersey environmental hazardous substance (present at greater than or equal to 1.0%)

NJ3=New Jersey workplace hazardous substance (present at greater than or equal to 1.0%)

PA1=Pennsylvania hazardous substance (present at greater than or equal to 1.0%)

PA3=New Jersey environmental hazardous substance (present at greater than or equal to 1.0%)

## CANADIAN REGULATIONS

**WHMIS** - The Canadian workplace Hazardous Material Information System Classification: This product is not a "controlled Product" under WHMIS.

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):**

All substances in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to list.

*The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, Convenience Products makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. User should satisfy himself that he has all current data relevant to his particular use.*