




# Material Safety Data Sheet

| NFPA                                                                              | HMIS                                                                                                                                   | PPE           | Transport Symbol |             |   |            |   |                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------------|---|------------|---|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <table><tr><td>Health Hazard</td><td>2*</td></tr><tr><td>Fire Hazard</td><td>4</td></tr><tr><td>Reactivity</td><td>1</td></tr></table> | Health Hazard | 2*               | Fire Hazard | 4 | Reactivity | 1 |  |  |
| Health Hazard                                                                     | 2*                                                                                                                                     |               |                  |             |   |            |   |                                                                                   |                                                                                     |
| Fire Hazard                                                                       | 4                                                                                                                                      |               |                  |             |   |            |   |                                                                                   |                                                                                     |
| Reactivity                                                                        | 1                                                                                                                                      |               |                  |             |   |            |   |                                                                                   |                                                                                     |

Issuing Date 13-Feb-2007

Revision Date 24-Aug-09

Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                                   |                                                                                                                                                                                               |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>               | Touch 'n Foam® Landscape Exterior Filler-Adhesive<br>Touch 'n Foam Exterior Filler-Adhesive<br>Touch 'n Foam Professional Black Landscaping Gun Foam Sealant<br>Touch 'n Seal® Black Gun Foam |
| <b>Recommended Use</b>            | Insulation, Adhesive                                                                                                                                                                          |
| <b>Supplier Address</b>           | Convenience Products, Division of Clayton Corp.<br>866 Horan Drive<br>Fenton, MO 63026-2416<br>TEL: (636) 349-5333                                                                            |
| <b>Emergency Telephone Number</b> | Chemtrec 1-800-424-9300<br>(703) 527-3887 outside US                                                                                                                                          |

## 2. HAZARDS IDENTIFICATION

**DANGER!**

### Emergency Overview

Flammable gas. May cause flash fire.  
Contents under pressure. Avoid temperatures above (120°F)  
Irritating to eyes, respiratory system and skin.  
May produce an allergic skin or respiratory reaction  
Vapor reduces oxygen available for breathing. Lower oxygen levels may cause anesthetic effects.  
May cause drowsiness and dizziness.  
Keep upwind of spill. Stay out of low areas.

**Appearance** Black

**Physical State** Liquid Aerosol

**Odor** Faint hydrocarbon

### Potential Health Effects

**Principle Routes of Exposure** Inhalation, Skin contact, Eye contact.

### Acute Toxicity

**Eyes** Irritating to eyes. May cause slight temporary corneal injury due to adhesive character.

**Skin** Prolonged skin contact may cause moderate skin irritation with local redness. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Will bond to skin causing irritation upon removal.

**Skin Absorption** Prolonged skin contact is unlikely to result in absorption of harmful amounts.

**Inhalation** Excessive exposure may cause irritation to upper respiratory tract. Symptoms of excessive exposure may be anesthetic or narcotic effects: dizziness and drowsiness may be observed. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Inhalation of vapors in high concentrations may cause shortness of breath (lung edema).

## 2. HAZARDS IDENTIFICATION

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Respiratory Sensitization:</b>        | May cause allergy or asthma symptoms or breathing difficulties if inhaled. MDI concentrations below the exposure guidelines may cause allergic respiratory reactions in individuals already sensitized. Asthma-like symptoms may include coughing, difficult breathing and a feeling of tightness in the chest.                                                                                                                                     |
| <b>Ingestion</b>                         | May be harmful if swallowed. May cause additional affects 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.                                                                                                                      |
| <b>Chronic Effects</b>                   | Tissue injury in the upper respiratory tract and lungs has been observed in laboratory animals after repeated excessive exposures to MDI / Polymeric MDI aerosols. 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. Repeated or prolonged contact causes sensitization, asthma and eczemas. |
| <b>Birth / Developmental Effects:</b>    | In laboratory animals, MDI/Polymeric MDI did not cause birth defects; other fetal effects occurred only at high doses that were toxic to the mother.                                                                                                                                                                                                                                                                                                |
| <b>Aggravated Medical Conditions</b>     | Allergies. Skin disorders. Respiratory disorders. Central nervous system. Preexisting eye disorders. Kidney disorders. Liver disorders.                                                                                                                                                                                                                                                                                                             |
| <b>Interactions with Other Chemicals</b> | Irritants. Sensitizers. Epoxies. Use of alcoholic beverages may enhance toxic effects.                                                                                                                                                                                                                                                                                                                                                              |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                          | CAS-No      | Weight % |
|----------------------------------------|-------------|----------|
| Flame retardant                        | Proprietary | 10-30    |
| Polymethylene polyphenylene isocyanate | 9016-87-9   | 10-30    |
| Methylene bisphenyl isocyanate (MDI)   | 101-68-8    | 10-30    |
| Polyol blend                           | Proprietary | 10-30    |
| Polyol blend                           | Proprietary | 5-10     |
| Isobutane                              | 75-28-5     | 5-10     |
| Methylenediphenyl diisocyanate         | 26447-40-5  | 1-5      |
| Propane                                | 74-98-6     | 1-5      |
| Dimethyl ether                         | 115-10-6    | 1-5      |

## 4. FIRST AID MEASURES

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b> | 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.                                                                                                                                                                                                                                                                                      |
| <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. Obtain medical attention, preferably from an ophthalmologist.                                                                                                                                                                                                                 |
| <b>Skin Contact</b>   | Remove contaminated clothing; wash before reuse. Foam will stick to skin; studies demonstrate that cleaning very soon after exposure with corn oil or nail polish remover is most effective. 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 if necessary. Do not attempt to remove dried foam with solvents. |
| <b>Inhalation</b>     | Move victim to fresh air. Apply artificial respiration if victim is not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.                                                                                                                                                                                                                                 |
| <b>Ingestion</b>      | Call a physician or Poison Control Center immediately. May produce an allergic reaction. 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. May cause asthma-like (reactive airways) symptoms. May cause respiratory sensitization or asthma-like symptoms. Respiratory symptoms, including pulmonary edema, may be delayed. Exposure may increase "myocardial irritability". If you are sensitized to diisocyanates, consult your physician regarding working with other respiratory irritants or sensitizers. 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

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. FIRE-FIGHTING MEASURES

#### Flammable Properties

Aerosol cans exposed to fire can rupture and spread fire to other areas. Vapors are heavier than air and may travel a long distance and accumulate in low-lying areas.

#### Flash Point

-104°C / -155°F (based on propellant.)

#### Suitable Extinguishing Media

Isolate fire and deny unnecessary entry. Use an extinguishing agent suitable for type of fire. Dry chemical CO2 water spray, fog or regular foam. Stay upwind. Keep out of low areas where gases fumes can accumulate. Damaged cylinders should be handled only by specialists.

#### Explosion Data

##### Sensitivity to mechanical impact

None

##### Sensitivity to static discharge

Yes

##### Specific Hazards Arising from the Chemical

Propellant is flammable and will burn. Eliminate ignition sources. Ruptured cylinders may rocket. Chemicals other than propellant may burn but none ignite readily. Flash back possible over considerable distance. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

##### 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 1

Physical and Chemical Hazards -

#### HMIS

Health Hazard 2\*

Flammability 4

Stability 1

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. Remove all sources of ignition. 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 Vermiculite. Collect in suitable and properly labeled open containers. Do not place in sealed containers. Curing foam gives off CO2. Wash what is left of the spill site with large quantities water.

## Methods for Cleaning Up

Attempt to neutralize the spilled material by adding suitable decontaminate solution:  
 Formulation 1: Sodium carbonate 5-10%; liquid detergent 0.2 – 2%; water to make up to 100%, OR Formulation 2: concentrated ammonia solution 3 – 8%; liquid detergent 0.2 – 2%; water to make up to 100%. If ammonia formulation is used, use good ventilation to prevent vapor exposure. Sweep up and shovel into suitable containers for disposal.

## Other Information

Ventilate the area. Curing foam gives off CO<sub>2</sub>. Do not put curing foam in a sealed drum.

## 7. HANDLING AND STORAGE

### Handling

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Ensure adequate ventilation. Take necessary action to avoid static electricity discharge (which might cause ignition of organic propellant vapors). Keep away from open flames, hot surfaces and sources of ignition. Do not Smoke. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Container, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld or perform similar operations on or near empty containers. Do not stick pin or any other sharp object into opening on top of can.

### 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.

## 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<br>Ceiling: 0.2 mg/m <sup>3</sup> | 75 mg/m <sup>3</sup> |
| Isobutane                            | TWA: 1000 ppm                                                | N/A                                                 | N/A                  |
| Propane                              | TWA: 2,500 ppm<br>STEL 1,000 ppm,<br>3,500 mg/m <sup>3</sup> | 8Hr TWA: 1000 ppm<br>1,800.0 mg/m <sup>3</sup>      | 2100 ppm             |

NIOSH IDLH: Immediately Dangerous to Life or Health

### Engineering Measures

Showers  
 Eyewash stations  
 Ventilation systems

### Personal Protective Equipment

#### Eye/Face Protection

Safety glasses with side-shields.

#### Skin and Body protection

Impervious gloves. Lightweight protective clothing.

#### Respiratory Protection

Atmospheric levels of PMDI should be maintained below the exposure guidelines. If exposure limits are exceeded or irritation is experienced, use a NIOSH/MSHA approved air-purifying respirator equipped with an organic vapor absorbent and a particle filter. For situations where the atmospheric levels exceed the level for which an air-purifying respirator is effective, use a positive-pressure air-supplied respirator. Respiratory protection must be provided in accordance with current local regulations.

### Hygiene Measures

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                |                                        |                                 |                          |
|------------------------------------------------|----------------------------------------|---------------------------------|--------------------------|
| <b>Appearance</b>                              | Black                                  | <b>Odor</b>                     | Faint hydrocarbon        |
| <b>Odor Threshold</b>                          | No information available               | <b>Physical State</b>           | Liquid Aerosol           |
| <b>pH</b>                                      | No information available               |                                 |                          |
| <b>Flash Point</b>                             | -104°C / -155°F (based on propellant.) | <b>Autoignition Temperature</b> | Not applicable           |
| <b>Decomposition temperature</b>               | No data available                      | <b>Boiling Point/Range</b>      | -42°C / -43.6°F          |
| <b>Melting Point/Range</b>                     | Not applicable                         | <b>Viscosity</b>                | No information 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>                              | No data available                      | <b>Evaporation Rate</b>         | No data available        |
| <b>Vapor Pressure</b>                          | No data available                      | <b>Vapor Density</b>            | No data available        |
| <b>Partition Coefficient (n-octanol/water)</b> | Not applicable                         | <b>EPA VOC</b>                  | 1.29 (lb/gal) 155 (g/l)  |

## 10. STABILITY AND REACTIVITY

|                                         |                                                                                                                                                                        |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>                        | Stable under recommended storage conditions                                                                                                                            |
| <b>Conditions to Avoid</b>              | Keep away from open flames, hot surfaces and sources of ignition. Temperatures above 48.8°C / 120°F. Exposure to elevated temperatures can cause product to decompose. |
| <b>Incompatible Products</b>            | Water. Alcohols. Strong bases. Strong oxidizing agents. Finely powdered metals.                                                                                        |
| <b>Hazardous Decomposition Products</b> | Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Nitrogen oxides (NO <sub>x</sub> ), Hydrogen cyanide.                                                         |
| <b>Hazardous Polymerization</b>         | Hazardous polymerization does not occur.                                                                                                                               |

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

|                                    |                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sensitization - Skin</b>        | Skin contact may cause an allergic skin reaction. Animal studies have shown that skin contact with isocyanates may play a role in respiratory sensitization.                                                                                                                                                                                |
| <b>Sensitization – Respiratory</b> | May cause allergic respiratory response. MDI concentrations below the exposure guidelines may cause allergic respiratory reactions in individuals already sensitized. Asthma-like symptoms may include coughing, difficult breathing and a feeling of tightness in the chest. Occasionally, breathing difficulties may be life threatening. |

### Product Information

| Chemical Name                          | LD50 Oral           | LD50 Dermal                                 | LC50 Inhalation                   |
|----------------------------------------|---------------------|---------------------------------------------|-----------------------------------|
| Flame retardant                        | >5000 mg/kg ( Rat ) | 1230 mg/kg ( Rabbit )<br>5000 mg/kg ( Rat ) | 5 mg/L ( Rat ) 4 h                |
| Polymethylene polyphenylene isocyanate | 49 g/kg ( Rat )     | 9400 mg/kg ( Rabbit )                       | 490 mg/m <sup>3</sup> ( Rat ) 4 h |
| Methylene bisphenyl isocyanate (MDI)   | 9200 mg/kg ( Rat )  |                                             |                                   |
| Polyol blend                           | 2 g/kg ( Rat )      |                                             |                                   |
| Polyol blend                           | 64 mL/kg ( Rat )    | 20 mL/kg ( Rabbit )                         |                                   |
| Isobutane                              |                     |                                             | 658 mg/L ( Rat ) 4 h              |
| Methylenediphenyl diisocyanate         |                     | 6200 mg/kg ( Rabbit )                       | 0.369 mg/L ( Rat ) 4 h            |
| Propane                                |                     | 658 mg/kg ( Rat )                           |                                   |
| Dimethyl ether                         |                     |                                             | 308 g/ m <sup>3</sup> ( Rat ) 4 h |

### Chronic Toxicity

#### Chronic Toxicity

Repeated or prolonged exposure may cause central nervous system damage. Tissue injury in the upper respiratory tract and lungs has been observed in laboratory animals after repeated excessive exposures to MDI/polymeric MDI aerosols. 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. Repeated or prolonged contact causes sensitization, asthma and eczemas.

#### Carcinogenicity

There are no known carcinogenic chemicals in this product

#### Mutagenicity

Contains no known mutagenetic chemicals

#### 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: Kidney, Liver, Bone marrow.

#### Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors

## 12. ECOLOGICAL INFORMATION

#### Movement & Partitioning:

In the aquatic and terrestrial environment, PMDI movement is expected to be limited by its reaction with water forming predominantly insoluble polyureas.

#### Persistence and Degradability:

In the aquatic and terrestrial environment, PMDI reacts with water forming predominantly insoluble polyureas that appear to be stable. In the atmospheric environment, material is expected to have a short tropospheric half-life, based on calculations and by analogy with related diisocyanates.

### Ecotoxicity

Ecotoxicity effects.

| Chemical Name                  | Toxicity to Algae                         | Toxicity to Fish                | Microtox               | Daphnia Magna (Water Flea) |
|--------------------------------|-------------------------------------------|---------------------------------|------------------------|----------------------------|
| Flame retardant                | EC50 = 4 mg/L 96 h<br>EC50 = 45 mg/L 72 h |                                 | EC50 = 295 mg/L 30 min | EC50 = 63 mg/L 48 h        |
| Methylenediphenyl diisocyanate | EC50 = 3230 mg/L 96 h                     |                                 |                        | EC50 > 1000 mg/L 24 h      |
| Dimethyl ether                 |                                           | LC50 (goldfish) 3677 mg/L, 96 h |                        | LC50 1852 mg/L, 96 h       |

| Chemical Name   | Log Pow |
|-----------------|---------|
| Flame retardant | 2.59    |

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

### 13. DISPOSAL CONSIDERATIONS

|                               |                                                                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste Disposal Method</b>  | Should not be released into the environment. Dispose of in accordance with local regulations. Allow foam to cure before disposal. |
| <b>Contaminated Packaging</b> | Dispose of in accordance with local regulations                                                                                   |
| <b>US EPA Waste Number</b>    | D001                                                                                                                              |

### 14. TRANSPORT INFORMATION

#### DOT

|                             |                           |
|-----------------------------|---------------------------|
| <b>Proper Shipping Name</b> | Consumer commodity        |
| <b>Hazard Class</b>         | ORM-D                     |
| <b>Description</b>          | Consumer commodity, ORM-D |

#### TDG

|                             |                       |
|-----------------------------|-----------------------|
| <b>UN-No</b>                | UN1950                |
| <b>Proper Shipping Name</b> | Aerosols              |
| <b>Hazard Class</b>         | 2.1                   |
| <b>Description</b>          | UN1950, Aerosols, 2.1 |

#### MEX

|                             |                       |
|-----------------------------|-----------------------|
| <b>UN-No</b>                | UN1950                |
| <b>Proper Shipping Name</b> | Aerosols              |
| <b>Hazard Class</b>         | 2.1                   |
| <b>Description</b>          | UN1950, Aerosols, 2.1 |

#### ICAO

|                             |                  |
|-----------------------------|------------------|
| <b>UN-No</b>                | UN1950           |
| <b>Proper Shipping Name</b> | Aerosols         |
| <b>Hazard Class</b>         | 2.1              |
| <b>Description</b>          | UN1950, Aerosols |

#### IATA

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>UN-No</b>                | UN1950                           |
| <b>Proper Shipping Name</b> | Aerosols, flammable              |
| <b>Hazard Class</b>         | 2.1                              |
| <b>ERG Code</b>             | 10L                              |
| <b>Description</b>          | UN1950, Aerosols, flammable, 2.1 |

#### IMDG/IMO

|                             |                                |
|-----------------------------|--------------------------------|
| <b>UN-No</b>                | UN1950                         |
| <b>Proper Shipping Name</b> | Aerosols                       |
| <b>Hazard Class</b>         | 2.1                            |
| <b>EmS No.</b>              | F-D, S-U                       |
| <b>Description</b>          | UN1950, Aerosols, 2.1, LTD QTY |

#### RID

|                             |                          |
|-----------------------------|--------------------------|
| <b>UN-No</b>                | UN1950                   |
| <b>Proper Shipping Name</b> | Aerosols                 |
| <b>Hazard Class</b>         | 2                        |
| <b>Classification Code</b>  | 5A                       |
| <b>Description</b>          | UN1950, Aerosols, 2, RID |
| <b>ADR/RID-Labels</b>       | 2                        |

#### ADR

|              |        |
|--------------|--------|
| <b>UN-No</b> | UN1950 |
|--------------|--------|

#### **14. TRANSPORT INFORMATION**

|                             |          |
|-----------------------------|----------|
| <b>Proper Shipping Name</b> | Aerosols |
| <b>Hazard Class</b>         | 2        |
| <b>Classification Code</b>  | 5A       |
| <b>ADR/RID-Labels</b>       | 2        |

**ADN**

|                             |                        |
|-----------------------------|------------------------|
| <b>UN-No</b>                | UN1950                 |
| <b>Proper Shipping Name</b> | Aerosols               |
| <b>Hazard Class</b>         | 2                      |
| <b>Classification Code</b>  | 5A                     |
| <b>Special Provisions</b>   | 63, 190, 191, 277, 913 |
| <b>Description</b>          | UN1950, Aerosols, 2    |
| <b>Hazard Labels</b>        | 2                      |
| <b>Limited Quantity</b>     | 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

**OSHA Hazard Communication Standard** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29CFR 1910.1200.

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals that 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 |
|----------------------------------------|------------|----------|-----------------------------|
| Polymethylene polyphenylene isocyanate | 9016-87-9  | 10-30    | 1.0                         |
| Methylene bisphenyl isocyanate (MDI)   | 101-68-8   | 10-30    | 1.0                         |
| Methylenediphenyl diisocyanate         | 26447-40-5 | 1-5      | 1.0                         |

#### **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.).

#### **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 |
|--------------------------------------|---------------|------------|--------------|----------|--------------|
| Dimethyl ether                       | X             | X          | X            |          | X            |
| Propane                              | X             | X          | X            |          | X            |
| Isobutane                            | X             | X          | X            |          |              |
| Methylene bisphenyl isocyanate (MDI) | X             | X          | 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><br>Mexico: TWA= 0.02 ppm    |
| Diphenylmethane diisocyanate         |                   | Mexico: TWA= 0.005 ppm<br>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

A Compressed gases  
 B5 Flammable aerosol  
 D2B Toxic materials



| Chemical Name                        | NPRI |
|--------------------------------------|------|
| Methylene bisphenyl isocyanate (MDI) | X    |

### 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

## 16. OTHER INFORMATION

Issuing Date 13-Feb-2007

Revision Date 24-Aug-09

Revision Note 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,

Touch 'n Foam® Landscape Exterior Filler-Adhesive  
Touch 'n Foam Exterior Filler-Adhesive  
Touch 'n Foam Professional Black Landscaping Gun Foam Sealant  
Touch 'n Seal® Black Gun Foam

**Revision Date** 24 Aug 2009

**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**