# 1 Identification

- **Product identifier**
  - **Trade name:** Touch 'n Foam No-Warp (Window & Door)
  - **Product code:** EHS 9890
  - **Recommended use and restriction on use**
  - **Recommended use:** Sealant
  - **Restrictions on use:** See Sections 8 and 10 for further information.

- **Details of the supplier of the Safety Data Sheet**
  - **Manufacturer/Supplier:**
    Convenience Products, Foam Products Division
    866 Horan Drive
    Fenton, MO 63026-2614
    Phone: 636-349-5855
    Toll-Free: 1-800-325-6180
  - **Emergency telephone number:**
    ChemTel Inc.
    +1 (800)255-3924, +1 (813)248-0585

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# 2 Hazard(s) identification

- **Classification of the substance or mixture**
  - Flam. Aerosol 1 H222 Extremely flammable aerosol.
  - Press. Gas H280 Contains gas under pressure; may explode if heated.
  - Skin Irrit. 2 H315 Causes skin irritation.
  - Eye Irrit. 2A H319 Causes serious eye irritation.
  - Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - Skin Sens. 1 H317 May cause an allergic skin reaction.
  - STOT SE 3 H335 May cause respiratory irritation.
  - STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

### Label elements

- **GHS label elements**
  The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**
  ![GHS pictograms](image)
  GHS02 GHS04 GHS07 GHS08

- **Signal word:** Danger

- **Hazard-determining components of labeling:**
  - 4,4’-methylene diisocyanate
  - Methylene diisocyanate, dipropylene glycol, tripropylene glycol, copolymer methylene diisocyanate

- **Hazard statements:**
  - H222 Extremely flammable aerosol.

(Cont'd. on page 2)
Trade name: Touch 'n Foam No-Warp (Window & Door)

H280 Contains gas under pressure; may explode if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P260 Do not breathe mist/vapors/spray.  
P284 [In case of inadequate ventilation] wear respiratory protection.  
P211 Do not spray on an open flame or other ignition source.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves and eye protection.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.  
P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P314 Get medical advice/attention if you feel unwell.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P405 Store locked up.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards
There are no other hazards not otherwise classified that have been identified.
0% of the mixture consists of component(s) of unknown toxicity.

3 Composition/information on ingredients

Chemical characterization: Mixtures

<table>
<thead>
<tr>
<th>Components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>68092-58-0</td>
<td>Methylenebisphenyl diisocyanate, dipropylene glycol, tripropylene glycol, copolymer</td>
</tr>
<tr>
<td></td>
<td>25-40%</td>
</tr>
</tbody>
</table>

*Resp. Sens. 1, H334*
## Trade name: Touch 'n Foam No-Warp (Window & Door)

<table>
<thead>
<tr>
<th>Code</th>
<th>Substance</th>
<th>Hazard Statements</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-68-8</td>
<td>4,4’-methylene diphenyl diisocyanate</td>
<td>Resp. Sens. 1, H334; STOT RE 2, H373</td>
<td>25-40%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335</td>
<td></td>
</tr>
<tr>
<td>26447-40-5</td>
<td>methylenediphenyl diisocyanate</td>
<td>Resp. Sens. 1, H334; STOT RE 2, H373</td>
<td>5-&lt;10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335</td>
<td></td>
</tr>
<tr>
<td>115-10-6</td>
<td>dimethyl ether</td>
<td>Flam. Gas 1, H220</td>
<td>5-&lt;10%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Press. Gas, H280</td>
<td></td>
</tr>
<tr>
<td>75-28-5</td>
<td>isobutane</td>
<td>Flam. Gas 1, H220</td>
<td>2.5-5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Press. Gas, H280</td>
<td></td>
</tr>
<tr>
<td>74-98-6</td>
<td>propane</td>
<td>Flam. Gas 1, H220</td>
<td>1-2.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Press. Gas, H280</td>
<td></td>
</tr>
</tbody>
</table>

**Additional information:**
For the wording of the listed Hazard Statements refer to section 16.
For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

## 4 First-aid measures

**Description of first aid measures**

**General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Take affected persons out into the fresh air.

**After inhalation:**
Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**
Do not pull solidified product away from the skin.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

**After eye contact:**
Immediately remove contact lenses if possible.
Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.

**Most important symptoms and effects, both acute and delayed:**
Asthma attacks
Headache
Breathing difficulty

(Cont'd. on page 4)
Trade name: Touch 'n Foam No-Warp (Window & Door)

Allergic reactions
Coughing
Nausea
Gastric or intestinal disorders when ingested.
Irritant to skin and mucous membranes.
Irritant to eyes.
Dizziness
Disorientation

**Danger:**
Danger of impaired breathing.
Danger of pulmonary edema.
Danger of pneumonia.
Danger of disturbed cardiac rhythm.
Danger of convulsion.

**Indication of any immediate medical attention and special treatment needed:**
Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible.
Treat skin and mucous membrane with antihistamine and corticoid preparations.
In cases of irritation to the lungs, initial treatment with cortical steroid inhalants.
Monitor circulation.
If necessary oxygen respiration treatment.
Medical supervision for at least 48 hours.
Contains Methylene diphenyl diisocyanate, dipropylene glycol, tripropylene glycol, copolymer, methylenediphenyl diisocyanate, 4,4'-methylene diphenyl diisocyanate. May produce an allergic reaction.

**5 Fire-fighting measures**

- **Extinguishing media**
- Suitable extinguishing agents:
  CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  Water in flooding quantities.
  For safety reasons unsuitable extinguishing agents: None.
- Special hazards arising from the substance or mixture
  Danger of receptacles bursting because of high vapor pressure if heated.
  During heating or in case of fire poisonous gases are produced.

- **Advice for firefighters**
- Protective equipment:
  Wear self-contained respiratory protective device.
  Wear fully protective suit.
- Additional information:
  Eliminate all ignition sources if safe to do so.
  Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
  Cool endangered receptacles with water spray.

**6 Accidental release measures**

- Personal precautions, protective equipment and emergency procedures:
  Use respiratory protective device against the effects of fumes/dust/aerosol.
Trade name: Touch 'n Foam No-Warp (Window & Door)

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Keep away from ignition sources.
Protect from heat.
Isolate area and prevent access.
Keep people at a distance and stay upwind.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:**
Allow to solidify. Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to item 13.

**Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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**7 Handling and storage**

- **Handling**
  - **Precautions for safe handling:**
    Keep away from heat and direct sunlight.
    Use only in well ventilated areas.
  - **Information about protection against explosions and fires:**
    Keep ignition sources away - Do not smoke.
    Protect against electrostatic charges.
    Keep respiratory protective device available.
    Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C, i.e. electric lights. Do not pierce or burn, even after use.
    Do not spray on a naked flame or any incandescent material.
    Emergency cooling must be available in case of nearby fire.

- **Conditions for safe storage, including any incompatibilities**
- **Storage**
  - **Requirements to be met by storerooms and receptacles:**
    Store in a cool location.
    Observe official regulations on storing packagings with pressurized containers.
    Provide ventilation for receptacles.
    Avoid storage near extreme heat, ignition sources or open flame.
  - **Information about storage in one common storage facility:**
    Store away from foodstuffs.
    Store away from oxidizing agents.
  - **Further information about storage conditions:**
    Protect from heat and direct sunlight.
    Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
  - **Specific end use(s):** No relevant information available.

(Cont'd. on page 6)
# 8 Exposure controls/personal protection

## Control parameters

### Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Material</th>
<th>Limit Value</th>
</tr>
</thead>
</table>
| 101-68-8 4,4'-methylene diisocyanate | Ceiling limit value: 0.2 mg/m³, 0.02 ppm  
| | Long-term value: 0.05 mg/m³, 0.005 ppm  
| | Ceiling limit value: 0.2* mg/m³, 0.02* ppm  
| | *10-min  
| TLV (USA) | Long-term value: 0.051 mg/m³, 0.005 ppm  
| EL (Canada) | Long-term value: 0.005 ppm  
| | Ceiling limit value: 0.01 ppm  
| | Skin; S  
| EV (Canada) | Long-term value: 0.005 ppm  
| | Ceiling limit value: 0.02 ppm  
| LMPE (Mexico) | Long-term value: 0.005 ppm  
| 115-10-6 dimethyl ether | Long-term value: 1000 ppm  
| EL (Canada) | Long-term value: 1000 ppm  
| 75-28-5 isobutane | Short-term value: 2370 mg/m³, 1000 ppm  
| EV (Canada) | Long-term value: 800 ppm  
| LMPE (Mexico) | Long-term value: 1000 ppm  
| 74-98-6 propane | Long-term value: 1800 mg/m³, 1000 ppm  
| REL (USA) | Long-term value: 1800 mg/m³, 1000 ppm  
| TLV (USA) | Long-term value: 1800 mg/m³, 1000 ppm  
| | refer to Appendix F inTLVs and BEIs book  
| EL (Canada) | Long-term value: 1000 ppm  
| EV (Canada) | Long-term value: 1000 ppm  
| LMPE (Mexico) | Long-term value: 1000 ppm  

## Exposure controls

### Personal protective equipment:

#### General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.  
Clean skin thoroughly immediately after handling the product.

### Engineering controls: No relevant information available.
Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 03/18/2016
Revision: 03/18/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

- Breathing equipment:
  Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.

- Protection of hands:
  Protective gloves
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- Eye protection:
  Safety glasses

- Body protection: Protective work clothing

Limitation and supervision of exposure into the environment
Avoid release to the environment.

Risk management measures See Section 7 for additional information.

9 Physical and chemical properties

Information on basic physical and chemical properties

- Appearance:
  Form: Aerosol
  Color: White
  Odor: Petroleum-like
  Odor threshold: Not determined.

- pH-value: Not determined.
- Melting point/Melting range: Not determined.
- Boiling point/Boiling range: -42 °C (-44 °F) (propellant)
- Flash point: -104 °C (-155 °F) (propellant)

- Flammability (solid, gaseous): Not applicable.
- Auto-ignition temperature: Not determined.
- Decomposition temperature: Not determined.
- Auto igniting: Product is not self-igniting.
- Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

- Explosion limits
  Lower: Not determined.
  Upper: Not determined.

(Cont'd. of page 6)

(Cont'd. on page 8)
10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**
  No decomposition if used and stored according to specifications.
  Danger of receptacles bursting because of high vapor pressure if heated.
- **Possibility of hazardous reactions:**
  Flammable aerosol.
  Danger of receptacles bursting because of high vapor pressure if heated.
  Reacts with oxidizing agents.
  Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
  Toxic fumes may be released if heated above the decomposition point.
  Develops readily flammable gases / fumes.
  Contact with acids releases toxic gases.
- **Conditions to avoid:**
  Keep ignition sources away - Do not smoke.
  Store away from oxidizing agents.
- **Incompatible materials:** No relevant information available.
- **Hazardous decomposition products:**
  Carbon monoxide and carbon dioxide
  Nitrogen oxides (NOx)
  Hydrogen cyanide (prussic acid)
Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 03/18/2016
Revision: 03/18/2016

Trade name: Touch 'n Foam No-Warp (Window & Door)

(Cont'd. of page 8)

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification:
      101-68-8 4,4'-methyleneidlphenyl diisocyanate
      Oral LD50 2200 mg/kg (mouse)
    - Primary irritant effect:
      - On the skin: Irritant to skin and mucous membranes.
      - On the eye: Irritating effect.
    - Sensitization:
      Sensitization possible through inhalation.
      Sensitization possible through skin contact.
    - Subacute to chronic toxicity:
      Inhalation of concentrated vapors as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.
  - IARC (International Agency for Research on Cancer):
    101-68-8 4,4'-methyleneidlphenyl diisocyanate
  - NTP (National Toxicology Program):
    None of the ingredients are listed.
  - OSHA-Ca (Occupational Safety & Health Administration):
    None of the ingredients are listed.

- Acute effects (acute toxicity, irritation and corrosivity): Vapors have narcotic effect.
- Repeated dose toxicity: Repeated exposures may result in skin and/or respiratory sensitivity.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
  - Carcinogenicity: Based on available data, the classification criteria are not met.
  - Reproductive toxicity: Based on available data, the classification criteria are not met.
  - STOT-single exposure: May cause respiratory irritation.
  - STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.
  - Aspiration hazard: Based on available data, the classification criteria are not met.

(Cont'd. on page 10)

12 Ecological information

- Toxicity
  - Aquatic toxicity The product contains materials that are harmful to the environment.
  - Persistence and degradability No relevant information available.
  - Bioaccumulative potential: No relevant information available.
  - Mobility in soil: No relevant information available.

- Additional ecological information
  - General notes:
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Trade name: Touch 'n Foam No-Warp (Window & Door)

Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

Other adverse effects: No relevant information available.

13 Disposal considerations
- Waste treatment methods
  - Recommendation:
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
    Contact waste processors for recycling information.
    Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- Uncleaned packagings
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information
- UN-Number
  DOT, ADR, IMDG, IATA
  UN1950
- UN proper shipping name
  Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3 gal).

- DOT
  Aerosols
- ADR
  1950 AEROSOLS
- IMDG
  AEROSOLS
- IATA
  Aerosols, flammable

Transport hazard class(es)
- DOT
  - Class: 2.1
  - Label: 2.1
- ADR
  - Class: 2 5F Gases
## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - United States (USA)
  - SARA
    - Section 355 (extremely hazardous substances):
      None of the ingredients are listed.
    - Section 313 (Specific toxic chemical listings):
      101-68-8 | 4,4’-methylene diphenyl diisocyanate
    - TSCA (Toxic Substances Control Act)
      All ingredients are listed.
    - Proposition 65 (California)
      - Chemicals known to cause cancer:
        None of the ingredients are listed.
      - Chemicals known to cause reproductive toxicity for females:
        None of the ingredients are listed.
      - Chemicals known to cause reproductive toxicity for males:
        None of the ingredients are listed.
      - Chemicals known to cause developmental toxicity:
        None of the ingredients are listed.
Trade name: Touch 'n Foam No-Warp (Window & Door)

- Carcinogenic categories
  - EPA (Environmental Protection Agency):
    101-68-8 4,4'-methylene diphenyl diisocyanate D, CBD
  - IARC (International Agency for Research on Cancer):
    101-68-8 4,4'-methylene diphenyl diisocyanate 3
  - NIOSH-Ca (National Institute for Occupational Safety and Health):
    None of the ingredients are listed.

- Canada
  - Canadian substance listings
    - Canadian Domestic Substances List (DSL):
      All ingredients are listed.
    - Canadian Ingredient Disclosure list (limit 0.1%):
      101-68-8 4,4'-methylene diphenyl diisocyanate
    - Canadian Ingredient Disclosure list (limit 1%):
      None of the ingredients are listed.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Date of preparation / last revision 03/18/2016 /

- Abbreviations and acronyms:
  ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  NIOSH: National Institute for Occupational Safety
  OSHA: Occupational Safety & Health
  Flam. Gas 1: Flammable gases, Hazard Category 1
  Flam. Aerosol 1: Flammable aerosols, Hazard Category 1
  Press. Gas: Gases under pressure: Compressed gas
  Acute Tox. 4: Acute toxicity, Hazard Category 4
  Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
  Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
  Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1
  Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
  STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
  STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

- Sources
  SDS Prepared by:
  ChemTel Inc.
  1305 North Florida Avenue

(Cont'd. on page 13)
### Trade name: Touch 'n Foam No-Warp (Window & Door)

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Website: www.chemtelinc.com