1. Identification

**Product Name:** Touch N Seal FireBlock Flame Resistant PU Foam Sealant

**Product UPC Number:** 075650100301

**Manufacturer:** DAP Global Inc.
2400 Boston Street Suite 200
Baltimore, MD 21224-4723
888-327-8477 (non-emergency matters)

**SDS Coordinator:** MSDS@dap.com

**Emergency Telephone:**
Transportation: 1-800-535-5053
1-352-323-3500
Poison Control: 1-800-222-1222

**Revision Date:** 9/2/2022

**Supercedes Date:** 4/12/2022

**Product Use/Class:** Foam Sealant/Adhesive

**SDS No:** 4706001

**Preparer:** Regulatory and Environmental Affairs

2. Hazards Identification

**EMERGENCY OVERVIEW:** Contents under pressure. Do not puncture can. Exposure to temperatures above 120 °F may cause can to rupture. The primary adverse health effects of this product are related to the Polymeric Isocyanate (MDI) component. Therefore, adequate ventilation should be provided to avoid exceeding the exposure limits of these components (See Section 8). MDI vapor can irritate the respiratory tract causing runny nose, sore throat, coughing and reduce lung function.
GHS Classification
Eye Irrit. 2, Fl Aer, 1, Gas under Pressure, Comp. Gas

Symbol(s) of Product

Signal Word
Danger

Possible Hazards
25% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS
Flammable Aerosol, category 1
H222 Extremely flammable aerosol.
Compressed Gas
H280 Contains gas under pressure; may explode if heated.
Eye Irritation, category 2
H319 Causes serious eye irritation.
Acute Toxicity, Inhalation, category 4
H332 Harmful if inhaled.

GHS LABEL PRECAUTIONARY STATEMENTS
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/attention.
P410+P403 Protect from sunlight. Store in a well-ventilated place.
P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Wt. %</th>
<th>GHS Symbols</th>
<th>GHS Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymeric diphenylmethane diisocyanate</td>
<td>9016-87-9</td>
<td>15-40</td>
<td>GHS07</td>
<td>H332</td>
</tr>
<tr>
<td>Paraffin and hydrocarbon Waxes</td>
<td>CASRN NOT AVAILABLE</td>
<td>10-30</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>4,4’-Methylene diphenyl diisocyanate (MDI)</td>
<td>101-68-8</td>
<td>10-30</td>
<td>GHS07</td>
<td>H332</td>
</tr>
<tr>
<td>Tris(2-chloro-1-methylethyl) phosphate</td>
<td>13674-84-5</td>
<td>7-13</td>
<td>GHS07</td>
<td>H302-332</td>
</tr>
<tr>
<td>2-Butyne-1,4-diol, polymer with (chloromethyl) oxirane, brominated, dehydrochlorinated, methoxylated</td>
<td>68441-62-3</td>
<td>7-13</td>
<td>GHS07</td>
<td>H302-319</td>
</tr>
<tr>
<td>Dimethyl ether</td>
<td>115-10-6</td>
<td>5-10</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>3-7</td>
<td>GHS02-GHS07</td>
<td>H220-332-336</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1-5</td>
<td>GHS07</td>
<td>H332-336</td>
</tr>
</tbody>
</table>

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures

FIRST AID - INHALATION: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.
FIRST AID - SKIN CONTACT: Wash skin with soap and water for 15 minutes. Get medical aid if symptoms persist. Use a rag to remove excess foam from skin and remove contaminated clothing. Use of a solvent, such as acetone (nail polish remover) or mineral spirits, may help in removing uncured foam residue from clothing or other surfaces (avoid eye contact). Cured foam may be physically removed by persistent washing with soap and water. If irritation develops, use mild skin cream. If irritation persists, obtain medical attention.

FIRST AID - EYE CONTACT: In case of contact, immediately flush eyes with large quantities of water for at least 15 minutes until irritation subsides. Get medical aid immediately.

FIRST AID - INGESTION: If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may burst if exposed to extreme heat or fire. Containers may explode if exposed to extreme heat. Empty containers retain product residue (liquid and/or vapor). Vapor can ignite potentially causing an explosion.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

6. Accidental Release Measures

ENVIRONMENTAL MEASURES: No Information

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: NOTE: Review fire hazards before proceeding with clean up. Immediately eliminate sources of ignition. Keep people away from and upwind of spill/leak. Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Prevent product from entering drains. Soak up with inert absorbent material and dispose of as hazardous waste. Use personal protective equipment as necessary. Read all product instructions before using. Personal protective equipment should include impervious gloves, protective eye wear, and suitable work clothes. Scrape up dried material and place into containers. Uncured product is very sticky, so carefully remove the bulk of the foam by scraping it up and then immediately remove residue with a rag and solvent such as polyurethane cleaner, mineral spirits, acetone (nail polish remover), paint thinner, etc. Once the product has cured, it can only be removed physically by scraping, buffing, etc. Dispose as plastic waste (foam plastic) in accordance with all applicable guidelines and regulations.

7. Handling and Storage

HANDLING: KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Remove all sources of ignition. Make sure nozzle is directed away from yourself prior to discharge. Keep away from open flames, hot surfaces and sources of ignition. Avoid heat, sparks and open flames. Wear appropriate personal protection. Avoid breathing vapor and contact with eyes, skin and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Contains isocyanates. See information supplied by the manufacturer. Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

STORAGE: Store away from sources of ignition and heat. Protect material from direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store at temperatures above 120 °F (49 °C). Store containers away from excessive heat and freezing. Store away from caustics and oxidizers.

8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Ingredients with Occupational Exposure Limits</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH-TLV STEL</th>
<th>OSHA PEL-TWA</th>
<th>OSHA PEL-CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymeric diphenylmethane diisocyanate</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Paraffin and hydrocarbon Waxes</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>4,4'-Methylene diphenyl diisocyanate (MDI)</td>
<td>0.005 ppm TWA</td>
<td>N.E.</td>
<td>N.E.</td>
<td>0.02 ppm Ceiling, 0.2 mg/m³ Ceiling</td>
</tr>
<tr>
<td>Tris(2-chloro-1-methyl) phosphate</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>2-Butyne-1,4-diol, polymer with (chloromethyl)oxirane, brominated, dehydrochlorinated, methoxylated</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
</tbody>
</table>
Personal Protection

**RESPIRATORY PROTECTION:** No personal respiratory protective equipment normally required. If concentrations exceed the exposure limits specified, use of a NIOSH-approved supplied air respirator is recommended. Where the protection factor is exceeded, use of a Self Contained Breathing Apparatus (SCBA) may be necessary. A respiratory protection program that meets the OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator’s use.

**SKIN PROTECTION:** Wear nitrile, neoprene, or natural rubber gloves. Wear solvent impervious gloves.

**EYE PROTECTION:** Goggles or safety glasses with side shields.

**OTHER PROTECTIVE EQUIPMENT:** Provide eyewash and solvent impervious apron if body contact may occur.

**HYGIENIC PRACTICES:** Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Orange</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</td>
</tr>
<tr>
<td>Density, g/cm³</td>
<td>1.09 - 1.09</td>
</tr>
<tr>
<td>Freeze Point, °C</td>
<td>Not Established</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Not Established</td>
</tr>
<tr>
<td>Decomposition Temperature, °C</td>
<td>Not Established</td>
</tr>
<tr>
<td>Boiling Range, °C</td>
<td>N.A. - N.A.</td>
</tr>
<tr>
<td>Flash Point, °C</td>
<td>N.A.</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Faster Than n-Butyl Acetate</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Heavier Than Air</td>
</tr>
<tr>
<td>Combustible Dust</td>
<td>Does not support combustion</td>
</tr>
<tr>
<td>Physical State</td>
<td>Foam</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not Established</td>
</tr>
<tr>
<td>pH</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Viscosity (mPa.s)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Partition Coeff., n-octanol/</td>
<td>Not Established</td>
</tr>
<tr>
<td>Explosive Limits, %</td>
<td>N.E. - N.E.</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not Established</td>
</tr>
<tr>
<td>Vapor Pressure, mmHg</td>
<td>Not Established</td>
</tr>
<tr>
<td>Flash Method</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flammability, NFPA</td>
<td>Aerosol Level II</td>
</tr>
</tbody>
</table>

(See "Other information" Section for abbreviation legend)
(If product is an aerosol, the flash point stated above is that of the propellant.)

10. Stability and Reactivity

**STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Excessive heat and freezing. Keep away from open flames, hot surfaces and sources of ignition.
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**INCOMPATIBILITY:** Open flames, hot surfaces and sources of ignition. Incompatible with strong bases and oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Normal decomposition products, i.e., COx, NOx.

### 11. Toxicological Information

**EFFECT OF OVEREXPOSURE - INHALATION:** Vapors may be irritating to eyes, nose, throat, and lungs. Inhalation of high concentrations may cause headache, nausea, and dizziness.

**EFFECT OF OVEREXPOSURE - SKIN CONTACT:** May cause sensitization by skin contact. May cause localized irritation, reddening or swelling. Prolonged or repeated exposure may lead to sensitization and/or contact dermatitis. This product has strong adhesive-like characteristics and will adhere aggressively to skin and other surfaces. If accidental contact occurs, follow the appropriate first-aid procedure described in Section 4 of this SDS.

**EFFECT OF OVEREXPOSURE - EYE CONTACT:** Direct eye contact may cause irritation. Mist and vapors may cause eye irritation. Foam contact can cause physical damage due to adhesive character.

**EFFECT OF OVEREXPOSURE - INGESTION:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**CARCINOGENICITY:** Limited evidence in experimental animals.

**EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS:** Repeated or prolonged exposure may cause respiratory system damage. Repeated contact may cause allergic reactions in very susceptible persons.

**PRIMARY ROUTE(S) OF ENTRY:** Skin Contact, Inhalation, Eye Contact

**Acute Toxicity Values**

The acute effects of this product have not been tested. Data on individual components are tabulated below.

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>9016-87-9</td>
<td>Polymeric diphenylmethane diisocyanate</td>
<td>49000 mg/kg Rat</td>
<td>&gt;9400 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
<tr>
<td>63449-39-8</td>
<td>Paraffin and hydrocarbon Waxes</td>
<td>22158 mg/kg Rat</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>101-68-8</td>
<td>4,4'-Methylene diphenyl diisocyanate (MDI)</td>
<td>31600 mg/kg Rat</td>
<td>9400 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
<tr>
<td>13674-84-5</td>
<td>Tris(2-chloro-1-methyleryl) phosphate</td>
<td>1500 mg/kg Rat</td>
<td>&gt;5000 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
<tr>
<td>68441-62-3</td>
<td>2-Butyne-1,4-diol, polymer with (chloromethyl) oxirane, brominated, dehydrochlorinated, methoxylated</td>
<td>1337 mg/kg Rat</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>115-10-6</td>
<td>Dimethyl ether</td>
<td>&gt;2000 mg/kg</td>
<td>&gt;2000 mg/kg</td>
<td>N.I.</td>
</tr>
<tr>
<td>75-28-5</td>
<td>Isobutane</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>74-98-6</td>
<td>Propane</td>
<td>Not an exposure route</td>
<td>Not an exposure route</td>
<td>N.I.</td>
</tr>
</tbody>
</table>

N.I. = No Information

### 12. Ecological Information

**ECOLOGICAL INFORMATION:** No Information

### 13. Disposal Information

**DISPOSAL INFORMATION:** Residues and spilled material are hazardous waste due to ignitability. Contents under pressure. Dispose of material in accordance with all federal, state and local regulations. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste. Liquids cannot be disposed of in a landfill. Do not flush into surface water or sanitary sewer system. Do not empty into drains. Do not re-use empty containers. The container for this product can present explosion or fire hazards, even when emptied. To avoid risk of injury, do not cut, puncture, or weld on or near this container. Before disposing of containers, relieve container of any remaining product and pressure. Empty cylinders, once relieved of all pressure, can be disposed of as non-hazardous waste.
14. Transport Information

DOT UN/NA Number: UN1950
DOT Proper Shipping Name: Aerosols, flammable
DOT Technical Name: N.A.
DOT Hazard Class: 2.1 Flammable gas
Hazard SubClass: N.A.
Packing Group: N.A.

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA ‘Hazard Categories’ promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Gas under pressure, Acute Toxicity (any route of exposure), Serious eye damage or eye irritation

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymeric diphenylmethane diisocyanate</td>
<td>9016-87-9</td>
</tr>
<tr>
<td>Paraffin and hydrocarbon Waxes</td>
<td>63449-39-8</td>
</tr>
<tr>
<td>4,4’-Methylene diphenyl diisocyanate (MDI)</td>
<td>101-68-8</td>
</tr>
</tbody>
</table>

TOXIC SUBSTANCES CONTROL ACT:

All ingredients in this product are either on TSCA inventory list, or otherwise exempt. This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.
16. Other Information

Revision Date: 9/2/2022  
Supersedes Date: 4/12/2022

Reason for revision:
- Substance and/or Product Properties Changed in Section(s):
  - 02 - Hazards Identification
  - 15 - Regulatory Information

Revision Statement(s) Changed:

Datasheet produced by: Regulatory Department

HMIS Ratings:

Reactivity:  
- 2*  
- 4  
- 0  
- X

Personal Protection:

VOC Less Water Less Exempt Solvent, g/L: 166.2
VOC Material, g/L: 166
VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 15.24
VOC Actual, Wt/Wt%: 15.2

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

- H220 Extremely flammable gas.
- H302 Harmful if swallowed.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

- GHS02
- GHS07

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

DAP believes the data and statements contained herein are accurate as of the date hereof. They are offered in good faith as typical values and not as a product specification. NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE WITH REGARD TO THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Since this document is intended only as a guide to the appropriate use and precautionary handling of the referenced product by a properly trained person, it is therefore the responsibility of the user to (i) review the recommendations with due consideration for the specific context of the intended use and (ii) determine if they are appropriate.