1. Identification

**Product Name:** Touch N Seal 2.0 PCF Fire-Rated Standard 2K Closed Cell PU Foam Kit B Side

**Product UPC Number:** 075650006603, 075650201701, 075650260609, 075650261002, 075650261200

**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:** 4/12/2022

**Supercedes Date:** 12/30/2021

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

**SDS No:** 4720201

**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).
GHS Classification
Acute Tox. 4 Oral, Eye Irrit. 2, Gas under Pressure, Comp. Gas, STOT SE 3 NE

Symbol(s) of Product

Signal Word
Warning

Possible Hazards
51% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS
Compressed Gas  
H280 Contains gas under pressure; may explode if heated.
Acute Toxicity, Oral, category 4  
H302 Harmful if swallowed.
Eye Irritation, category 2  
H319 Causes serious eye irritation.
STOT, single exposure, category 3, NE  
H336 May cause drowsiness or dizziness.

GHS LABEL PRECAUTIONARY STATEMENTS
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.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P330 Rinse mouth.
P337+P313 If eye irritation persists: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+P403 Protect from sunlight. Store in a well-ventilated place.
P501 Dispose of contents/container.

GHS SDS PRECAUTIONARY STATEMENTS
P270 Do not eat, drink or smoke when using this product.

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>2-Butyne-1,4-diol, polymer with (chloromethyl) oxirane, brominated, dehydrochlorinated, methoxyethylated</td>
<td>68441-62-3</td>
<td>10-30</td>
<td>GHS07</td>
<td>H302-319</td>
</tr>
<tr>
<td>1,1,1,2-Tetrafluoroethane (HFC-134A)</td>
<td>811-97-2</td>
<td>10-30</td>
<td>GHS07</td>
<td>H336</td>
</tr>
<tr>
<td>Poly[oxymethyl-1,2-ethanediyl] , .alpha.,.alpha.,.alpha.-(ni triotri-2,1-ethanediyl)tris[.omega.-hydroxy-]</td>
<td>37208-53-0</td>
<td>7-13</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>Poly[oxymethyl-1,2-ethanediyl] , .alpha.-hydro-omega.-hydroxy- , ether with .beta.-D-fructofuranosyl .alpha.-D-glucopyranoside</td>
<td>9049-71-2</td>
<td>7-13</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>Tris(2-chloro-1-methyl)phosphat</td>
<td>13674-84-5</td>
<td>7-13</td>
<td>GHS07</td>
<td>H302-332</td>
</tr>
<tr>
<td>1,1,1,3,3-Pentafluoropropane</td>
<td>460-73-1</td>
<td>3-7</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>Oxirane, methyl-, polymer with oxirane, ether with 2,6-bis[bis[2-hydroxyethyl]amino][methyl]-4-nonylphenol (5:1)</td>
<td>52019-35-9</td>
<td>1-5</td>
<td>GHS05-GHS07</td>
<td>H302-315-318</td>
</tr>
<tr>
<td>Triethyl phosphate</td>
<td>78-40-0</td>
<td>1-5</td>
<td>GHS07</td>
<td>H302-319</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
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 if symptoms persist.

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.

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.

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Water Spray or Fog, Water

6. Accidental Release Measures

ENVIRONMENTAL MEASURES: No Information

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. 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. 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. Spilled material becomes very slippery when wet. Sweep-up to prevent slipping hazard.

7. Handling and Storage

HANDLING: KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Make sure nozzle is directed away from yourself prior to discharge. Keep away from open flames, hot surfaces and sources of ignition. Keep containers away from excessive heat and freezing. Keep containers away from moisture. Wear appropriate personal protection. Avoid breathing vapor and contact with eyes, skin and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Do not re-use empty containers.

STORAGE: 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

Ingredients with Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</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>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>
<tr>
<td>1,1,1,2-Tetrafluoroethane (HFC-134A)</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Poly[oxy(methyl-1,2-ethanediyl)], .alpha...alpha...alpha...{nitroliotri-2,1-ethanediyl}tris[omega-hydroxy-Poly[oxy(methyl-1,2-ethanediyl)], .alpha...hydro-omega-hydroxy-, ether with beta-D-fructofuranosyl .alpha.-D-glucopyranoside</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Tris(2-chloro-1-methylethyl) phosphate</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>1,1,1,3,3-Pentafluoropropane</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Oxirane, methyl-, polymer with oxirane, ether with 2,6 bis[bis[2-hydroxyethyl]amino]methyl]-4- nonylphenol (5:1)</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Triethyl phosphate</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.

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

**OTHER PROTECTIVE EQUIPMENT:** Provide eyewash. Chemical-resistant apron.

**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>Cream</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight Solvent</td>
</tr>
<tr>
<td>Density, g/cm³</td>
<td>1.25 - 1.25</td>
</tr>
<tr>
<td>Freezing Point, °C</td>
<td>Not Established</td>
</tr>
<tr>
<td>Boiling Range, °C</td>
<td>N.A. - 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/water</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Explosive Limits, %</td>
<td>Not Established</td>
</tr>
<tr>
<td>Auto-Ignition Temperature, °C</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>Non-Flammable</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.

**INCOMPATIBILITY:** Incompatible with strong bases and oxidizing agents. Reacts with isocynates.

**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 skin irritation.
**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:** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**CARCINOGENICITY:** No Information

**EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS:** No Information

**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>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>811-97-2</td>
<td>1,1,1,2-Tetrafluoroethane (HFC-134A)</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>37208-53-0</td>
<td>Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.,.alpha.‘,(nitrilotri-2,1-ethanediyl)tris[.omega.-hydroxy-</td>
<td>N.I.</td>
<td>&gt;2000 mg/kg Rat</td>
<td>N.I.</td>
</tr>
<tr>
<td>9049-71-2</td>
<td>Poly[oxy(methyl-1,2-ethanediyl)],.alpha.-hydro.-omega.-hydroxy-. ether with .beta.-D-fructofuranosyl .alpha.-D-glucopyranoside</td>
<td>N.I.</td>
<td>&gt;5000 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
<tr>
<td>13674-84-5</td>
<td>Tris(2-chloro-1-methylethyl) phosphate</td>
<td>1500 mg/kg Rat</td>
<td>5000 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
<tr>
<td>460-73-1</td>
<td>1,1,1,3,3-Pentafluoropropane</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>52019-35-9</td>
<td>Oxirane, methyl-, polymer with oxirane, ether with 2,6-bis[[bis(2-hydroxyethyl)amino]methyl]-4-nonylethanol (5:1)</td>
<td>1370 mg/kg Rat</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>78-40-0</td>
<td>Triethyl phosphate</td>
<td>1100 - 1600 mg/kg Rat</td>
<td>20000 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
</tbody>
</table>

N.I. = No Information

**12. Ecological Information**

**ECOLOGICAL INFORMATION:** No Information

**13. Disposal Information**

**DISPOSAL INFORMATION:** 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 dispose of waste into sewer. Do not re-use empty containers. 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.

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. 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. 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. Spilled material becomes very slippery when wet. Sweep-up to prevent slipping hazard.

**14. Transport Information**
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, Specific target organ toxicity (single or repeated exposure)

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:

No Sara 313 components exist in this product.

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: 4/11/2022  Supersedes Date: 12/30/2021
Reason for revision: Substance and/or Product Properties Changed in Section(s):
                   01 - Product Information
                   08 - Exposure Controls/Personal Protection
Datasheet produced by: Regulatory Department
HMIS Ratings:

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

VOC Less Water Less Exempt Solvent, g/L: 6.9
VOC Material, g/L: 5
VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 0.40
VOC Actual, Wt/Wt%: 0.4

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

H302       Harmful if swallowed.
H315       Causes skin irritation.
H318       Causes serious eye damage.
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:

GHS05

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.