1. Identification

Product Name: Touch N Seal Mine Foam 200 FK Low GWP B Side
Product UPC Number: 075650000595
Manufacturer: DAP Global Inc.
2400 Boston Street Suite 200
Baltimore, MD 21224-4723
888-327-8477 (non - emergency matters)
SDS Coordinator: MSDS@dap.com

Revision Date: 4/27/2022
Supercedes Date: New SDS
Product Use/Class: Foam Sealant/Adhesive
SDS No: 4765501
Preparer: Regulatory and Environmental Affairs

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

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 Inhalation, Acute Tox. 4 Oral, Eye Irrit. 2, Gas under Pressure, Comp. Gas

**Symbol(s) of Product**

![Symbol]

**Signal Word**
Warning

**Possible Hazards**
54% 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.
- **Acute Toxicity, Inhalation, category 4**: H332 - Harmful if inhaled.

### 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.
- **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, dehydrochlorinatated, methoxylated</td>
<td>68441-62-3</td>
<td>10-30</td>
<td>GHS07</td>
<td>H302-319</td>
</tr>
<tr>
<td>Tris(2-chloro-1-methylethyl) phosphate</td>
<td>13674-84-5</td>
<td>10-30</td>
<td>GHS07</td>
<td>H302-332</td>
</tr>
<tr>
<td>Trans-1,3,3,3-Tetrafluoroprop-1-ene</td>
<td>29118-24-9</td>
<td>10-30</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>1-5</td>
<td>GHS06-GHS07</td>
<td>H302-311-315-319-330</td>
</tr>
<tr>
<td>1233zd HFO Propellant</td>
<td>102687-65-0</td>
<td>1-5</td>
<td>No Information</td>
<td>No Information</td>
</tr>
<tr>
<td>Glycerine</td>
<td>56-81-5</td>
<td>1-5</td>
<td>GHS06</td>
<td>H331</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 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 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>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>Trans-1,3,3,3-Tetrafluoroprop-1-ene</td>
<td>20 ppm TWA</td>
<td>N.E.</td>
<td>50 ppm TWA, 240 mg/m3 TWA</td>
<td>N.E.</td>
</tr>
<tr>
<td>1233zd HFO Propellant</td>
<td>N.E.</td>
<td>N.E.</td>
<td>15 mg/m3 TWA mist, total particulate, 5 mg/m3 TWA mist, respirable fraction</td>
<td>N.E.</td>
</tr>
<tr>
<td>Glycerine</td>
<td>N.E.</td>
<td>N.E.</td>
<td>15 mg/m3 TWA mist, respirable fraction</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>

Further Advice: MEL = Maximum Exposure Limit  OES = Occupational Exposure Standard  SUP = Supplier's Recommendation  Sk = Skin Sensitizer  N.E. = Not Established

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>1.26 - 1.26</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>Minimum 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>
</tbody>
</table>

Physical State: Foam
Odor Threshold: Not Established
pH: Not Applicable
Viscosity (mPa.s): Not Applicable
Partition Coeff., n-octanol/water: Not Established
Explosive Limits, %: Not Established
Auto-Ignition Temperature, °C: Not Established
Vapor Pressure, mmHg: Not Established
Flash Method: Not Applicable
Flammability, NFPA: Non-Flammable

(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>13674-84-5</td>
<td>Tris(2-chloro-1-methylethyl) phosphate</td>
<td>1500 mg/kg Rat</td>
<td>&gt;5000 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
<tr>
<td>29118-24-9</td>
<td>Trans-1,3,3,3-Tetrafluoroprop-1-ene</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>111-76-2</td>
<td>2-Butoxyethanol</td>
<td>470 mg/kg Rat</td>
<td>220 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
<tr>
<td>102687-65-0</td>
<td>1233zd HFO Propellant</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>56-81-5</td>
<td>Glycerine</td>
<td>12600 mg/kg Rat</td>
<td>&gt;10000 mg/kg Rabbit</td>
<td>N.I.</td>
</tr>
<tr>
<td>78-40-0</td>
<td>Triethyl phosphate</td>
<td>1100 - 1600 mg/kg Rat</td>
<td>&gt;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

DOT UN/NA Number: UN3500
DOT Proper Shipping Name: Chemical under pressure, n.o.s.
DOT Technical Name: (trans-1,3,3,3-Tetrafluoroprop-1-ene, trans-1-Chloro-3,3,3-trifluoropropene)
DOT Hazard Class: 2.2 Non-flamm compressed 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:

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: 4/27/2022
Supersedes Date: New MSDS
Reason for revision: Periodic Update
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: 0.0
VOC Material, g/L: 0
VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 0.00
VOC Actual, Wt/Wt%: 0.0

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

H302  Harmful if swallowed.
H311  Toxic in contact with skin.
H315  Causes skin irritation.
H319  Causes serious eye irritation.
H330  Fatal if inhaled.
H331  Toxic if inhaled.
H332  Harmful if inhaled.

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

GHS06

GHS07

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

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