

	<h1>Safety Data Sheet</h1>	<p><b>24 Hour Emergency Phone Numbers</b>  <b>Medical/Poison Control:</b>  <b>In U.S.: Call 1-800-222-1222</b></p> <p><b>Outside U.S.: Call your local poison control center</b></p> <p><b>Transportation/National Response Center:</b></p> <p style="text-align: center;"><b>1-800-535-50531-3</b>  <b>52-323-3500</b></p> <p>NOTE: The National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.</p>
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**IMPORTANT:** Provide this information to employees, customers, and users of this product. Read this SDS before handling or disposing of this product. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard. All abbreviated terms used in this SDS are further described in Section 16.

## 1. Identification

<b>Product Name:</b>	Touch N Seal Storm Bond 2 Roof Tile Adhesive HFO 17 Gallon Refill A Side	<b>Revision Date:</b>	11/14/2023
<b>Product UPC Number:</b>	075650723005	<b>Supersedes Date:</b>	New SDS
<b>Manufacturer:</b>	DAP Global Inc. 2400 Boston Street Suite 200 Baltimore, MD 21224-4723 888-327-8477 (non - emergency matters)	<b>Product Use/Class:</b>	Foam Sealant/Adhesive
	SDS Coordinator: MSDS@dap.com	<b>SDS No:</b>	4724101
	Emergency Telephone: Transportation: 1-800-535 -5053 1-352-323-3500 Poison Control: 1-800-222-1222	<b>Preparer:</b>	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

Acute Tox. 4 Inhalation, Carc. 2, Gas under Pressure, Comp. Gas, Resp. Sens. 1, Skin Irrit. 2, Skin Sens. 1, STOT RE 2, STOT SE 3 RTI

### Symbol(s) of Product



### Signal Word

Danger

**GHS HAZARD STATEMENTS**

Compressed Gas	H280	Contains gas under pressure; may explode if heated.
Skin Irritation, category 2	H315	Causes skin irritation.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
Respiratory Sensitizer, category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT, single exposure, category 3, RTI	H335	May cause respiratory irritation.
Carcinogenicity, category 2	H351	Suspected of causing cancer.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.

**GHS LABEL PRECAUTIONARY STATEMENTS**

P201	Obtain special instructions before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P284	[In case of inadequate ventilation] wear respiratory protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362	Take off contaminated clothing.
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**

P363	Wash contaminated clothing before reuse.
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**3. Composition/Information on Ingredients**

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Polymeric diphenylmethane diisocyanate	9016-87-9	45-70	GHS07	H332
4,4'-Methylene diphenyl diisocyanate (MDI)	101-68-8	10-30	GHS07-GHS08	H315-317-332-334-335-351-373
Trans-1,3,3,3-Tetrafluoroprop-1-ene	29118-24-9	3-7	No Information	No Information

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.

**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. 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. Make sure nozzle is directed away from yourself prior to discharge. Keep away from open flames, hot surfaces and sources of ignition. Wear appropriate personal protection. Avoid breathing vapor and contact with eyes, skin and clothing. Use only with adequate ventilation. Ensure fresh air entry during application and drying. 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

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Polymeric diphenylmethane diisocyanate	N.E.	N.E.	N.E.	N.E.
4,4'-Methylene diphenyl diisocyanate (MDI)	0.005 ppm TWA	N.E.	N.E.	0.02 ppm Ceiling, 0.2 mg/m <sup>3</sup> Ceiling
Trans-1,3,3,3-Tetrafluoroprop-1-ene	Methylene bisphenyl isocyanate (MDI)	N.E.	N.E.	N.E.

**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 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

<b>Color:</b>	Tan	<b>Appearance:</b>	Foam
<b>Odor:</b>	Slight Solvent	<b>Physical State:</b>	Foam
<b>Density, g/cm<sup>3</sup>:</b>	1.23	<b>Odor Threshold:</b>	Not Established
<b>Freeze Point, °C:</b>	Not Established	<b>pH:</b>	Not Applicable
<b>Solubility in Water:</b>	Not Established	<b>Viscosity (mPa.s):</b>	Not Applicable
<b>Decomposition Temperature, °C:</b>	Not Established	<b>Partition Coeff., n-octanol/water:</b>	Not Established
<b>Boiling Range, °C:</b>	N.A. Aerosol, foam.	<b>Explosive Limits, %:</b>	N.E.
<b>Flash Point, °C:</b>	Aerosol or foam, not applicable.	<b>Auto-Ignition Temperature, °C</b>	Not Established
<b>Evaporation Rate:</b>	Faster Than n-Butyl Acetate	<b>Vapor Pressure, mmHg:</b>	Not Established
<b>Vapor Density:</b>	Heavier Than Air	<b>Flash Method:</b>	Not Applicable
<b>Combustible Dust:</b>	Does not support combustion		

(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.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Normal decomposition products, i.e., CO<sub>x</sub>, NO<sub>x</sub>.

## 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

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
9016-87-9	Polymeric diphenylmethane diisocyanate	49000 mg/kg Rat	>9400 mg/kg Rabbit	N.I.
101-68-8	4,4'-Methylene diphenyl diisocyanate (MDI)	31600 mg/kg Rat	9400 mg/kg Rabbit	N.I.
29118-24-9	Trans-1,3,3,3-Tetrafluoroprop-1-ene	N.I.	N.I.	N.I.

N.I. = No Information

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** No Information

## 13. Disposal Information

**DISPOSAL INFORMATION:** Liquids cannot be disposed of in a landfill.

**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. 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.

## 14. Transport Information

<b>DOT UN/NA Number:</b>	UN3500
<b>DOT Proper Shipping Name:</b>	Chemical under pressure, n.o.s.
<b>DOT Technical Name:</b>	(trans-1,3,3,3-Tetrafluoroprop-1-ene, trans-1-Chloro-3,3,3-trifluoropropene)
<b>DOT Hazard Class:</b>	2.2 Non-flamm compressed gas
<b>Hazard SubClass:</b>	N.A.
<b>Packing Group:</b>	N.A.

**SPECIAL TRANSPORT PRECAUTIONS:** No 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, Carcinogenicity, Acute Toxicity (any route of exposure), Skin Corrosion or Irritation, Respiratory or Skin Sensitization, 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:

<u>Chemical Name</u>	<u>CAS-No.</u>
Polymeric diphenylmethane diisocyanate	9016-87-9
4,4'-Methylene diphenyl diisocyanate (MDI)	101-68-8

#### 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: 11/14/2023 **Supersedes Date:** New MSDS

Reason for revision: Periodic Update

Datasheet produced by: Regulatory Department

**HMIS Ratings:**

Health:	Flammability:	Reactivity:	Personal Protection:
2*	1	0	X

VOC Less Water Less Exempt Solvent, g/L: 0.3

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:**

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

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

GHS07



GHS08



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

We believe 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.