



Safety Data Sheet

24 Hour Emergency Phone Numbers
Medical/Poison Control:
 In U.S.: Call 1-800-222-1222

Outside U.S.: Call your local poison control center

Transportation/National Response Center:

1-800-535-5053
1-352-323-3500

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.

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

Product Name:	Touch N Seal Mine Sealant 2K PU Foam Kit B Side	Revision Date:	6/7/2023
Product UPC Number:	075650000557, 075650211809	Supersedes Date:	4/12/2022
Manufacturer:	DAP Global Inc. 2400 Boston Street Suite 200 Baltimore, MD 21224-4723 888-327-8477 (non - emergency matters) SDS Coordinator: MSDS@dap.com	Product Use/ Class:	Foam Sealant/Adhesive
	Emergency Telephone: Transportation: 1-800-535 -5053 1-352-323-3500 Poison Control: 1-800-222-1222	SDS No:	4716201
		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

44% 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 no eat, drink or smoke when using this product.
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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>
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-(nitrilotri-2,1-ethanediyl)tris [omega.-hydroxy-	37208-53-0	10-30	No Information	No Information
2-Butyne-1,4-diol, polymer with (chloromethyl) oxirane, brominated, dehydrochlorinated, methoxylated	68441-62-3	10-30	GHS07	H302-319
1,1,1,2-Tetrafluoroethane (HFC-134A)	811-97-2	10-30	GHS07	H336
Reactive Fire Retardant	77098-07-8	7-13	No Information	No Information
Tris(2-chloro-1-methylethyl) phosphate	13674-84-5	3-7	GHS07	H302-332
Dimethyl methylphosphonate	756-79-6	1-5	No Information	No Information
1,2-trans-Dichloroethylene	156-60-5	1-5	GHS07	H302
Triethyl phosphate	78-40-0	1-5	GHS07	H302-319

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. 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

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha.'-(nitrioltri-2,1- ethanediyl)tris[.omega.-hydroxy- 2-Butyne-1,4-diol, polymer with (chloromethyl)oxirane, brominated, dehydrochlorinated, methoxylated	N.E.	N.E.	N.E.	N.E.
1,1,1,2-Tetrafluoroethane (HFC-134A)	N.E.	N.E.	N.E.	N.E.
Reactive Fire Retardant	N.E.	N.E.	N.E.	N.E.
Tris(2-chloro-1-methylethyl) phosphate	N.E.	N.E.	N.E.	N.E.
Dimethyl methylphosphonate	N.E.	N.E.	N.E.	N.E.
1,2-trans-Dichloroethylene	200 ppm TWA	N.E.	N.E.	N.E.
Triethyl phosphate	N.E.	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. 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

Appearance:	Cream	Physical State:	Foam
Odor:	Slight Solvent	Odor Threshold:	Not Established
Density, g/cm³:	1.30 - 1.30	pH:	Not Applicable
Freeze Point, °C:	Not Established	Viscosity (mPa.s):	Not Applicable
Solubility in Water:	Not Established	Partition Coeff., n-octanol/	Not Established
Decomposition Temperature, °C:	Not Established	Exposure Limits, %:	N.E. - N.E.
Boiling Range, °C:	N.A. - N.A.	Auto-Ignition Temperature,	Not Established
Flash Point, °C:	N.A.	Vapor Pressure, mmHg:	Not Established
Evaporation Rate:	Faster Than n-Butyl Acetate	Flash Method:	Not Applicable
Vapor Density:	Heavier Than Air	Flammability, NFPA:	Non-Flammable
Combustible Dust:	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. Reacts with isocyanates.

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

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
37208-53-0	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-(nitrilotri-2,1-ethanediyl)tris[.omega.-hydroxy-	N.I.	>2000 mg/kg Rat	N.I.
68441-62-3	2-Butyne-1,4-diol, polymer with (chloromethyl) oxirane, brominated, dehydrochlorinated, methoxylated	N.I.	N.I.	N.I.
811-97-2	1,1,1,2-Tetrafluoroethane (HFC-134A)	N.I.	N.I.	N.I.
77098-07-8	Reactive Fire Retardant	>10000 mg/kg Rat	>20000 mg/kg Rabbit	N.I.
13674-84-5	Tris(2-chloro-1-methylethyl) phosphate	1500 mg/kg Rat	>5000 mg/kg Rabbit	N.I.
756-79-6	Dimethyl methylphosphonate	8210 mg/kg Rat	>2000 mg/kg Rabbit	N.I.
156-60-5	1,2-trans-Dichloroethylene	1235 mg/kg Rat	>5000 mg/kg Rabbit	N.I.
78-40-0	Triethyl phosphate	1100 mg/kg Rat	>20000 mg/kg Rabbit	N.I.

N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION: No Information

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance with all federal, state and local regulations. Liquids cannot be disposed of in a landfill. Do not dispose of waste into sewer. Do not re-use empty containers.

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. 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: (Fluorinated hydrocarbon, Nitrogen)
DOT Hazard Class: 2.2 Non-flamm compressed gas
Hazard SubClass: N.A.
Packing Group: 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, 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: 6/7/2023 **Supersedes Date** 4/12/2022

Reason for revision: Product Composition Changed
 Substance and/or Product Properties Changed in Section(s):
 02 - Hazards Identification
 09 - Physical & Chemical Information
 15 - Regulatory Information
 16 - Other Information
 Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

1	1	0	X
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VOC Less Water Less Exempt Solvent, g/L: 47.1

VOC Material, g/L: 38

VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 13.90

VOC Actual, Wt/Wt%: 2.9

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

- 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:**GHS07**

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.