



## Safety Data Sheet

### Section 1: PRODUCT AND COMPANY IDENTIFICATION

Ennis-Flint  
115 Todd Court  
Thomasville, NC 27360

Company Phone Number: 1-800-331-8118  
24-Hour Emergency Phone: 1-800-424-9300 CHEMTREC

Product Name: **TrafficPatterns® Sealer<sub>2</sub> Part A**

Recommended Use: Bonding and Coating

Issue Date: 04/23/2009

Revised Date: 06/12/2015

Version Number: 3

### Section 2: HAZARDS IDENTIFICATION

Emergency Overview: Color: White Form: Paste Odor: Slight

ROUTES OF ENTRY: EYE: YES SKIN: YES INGESTION: YES INHALATION: NO

GHS Label elements, including precautionary statements:

#### Pictogram



#### Signal word

**Warning**

Health	Physical	Environmental
Skin Irritant Cat 2 Eye Irritant Cat 2A Reproductive Tox Cat 2 Skin Sensitization Cat 1	Not Classified	Toxic to Aquatic Life Cat-2

Cause skin sensitization  
 Causes skin and eye irritation  
 Suspected of damaging fertility  
 Wash skin thoroughly after handling  
 Avoid breathing fume/gas/mist/vapors/spray  
 Wear protective gloves/ protective clothing/ eye protection/ face protection  
 Use outdoors or in a well-ventilated area  
 Avoid contact during pregnancy/while nursing

Carcinogenicity: This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspect carcinogen by NTP, IARC, Prop 65 or OSHA.

### Section 3: COMPOSITION INFORMATION

CAS Number	Content	Chemical Name
25085-99-8	60 - 100	Diglycidyl Ether of Bisphenol A
Proprietary	3 - 7	Non – Hazardous Proprietary Ingredients
68609-97-2	7 - 15	Tetradecyl glycidyl ethers
17557-23-2	3 - 7	Neopentyl glycol diglycidyl ether

### Section 4: FIRST AID MEASURES

Inhalation:	<ul style="list-style-type: none"> <li>▪ Move to fresh air</li> <li>▪ Give oxygen if breathing is difficult.</li> <li>▪ Call a physician if symptoms persist.</li> </ul>
Eyes:	<ul style="list-style-type: none"> <li>▪ Immediately flush eyes with plenty of water for at least 15 minutes.</li> <li>▪ Call a physician if symptoms persist.</li> </ul>
Skin:	<ul style="list-style-type: none"> <li>▪ Remove contaminated clothing.</li> <li>▪ Wash with mild soap and water.</li> <li>▪ Get medical attention if skin irritation or dermatitis persists.</li> </ul>
Ingestion:	<ul style="list-style-type: none"> <li>▪ If conscious, give plenty of water</li> <li>▪ Do not induce vomiting unless directed by a physician.</li> <li>▪ Call a physician immediately.</li> </ul>
Other: of the injury/exposure.	<ul style="list-style-type: none"> <li>▪ Referral to a physician is recommended if there is any question about the seriousness</li> <li>▪ If sensitization occurs, future contact with the material should be avoided.</li> </ul>

### Section 5: FIRE FIGHTING MEASURES

Flash Point:	N/D
Flammable Limits:	N/A
Extinguishable Media:	Carbon Dioxide, Dry Chemical, Water Fog
Special Fire Fighting Procedures:	Use a self-contained breathing apparatus when fighting fires involving chemicals
Unusual Fire and Explosion Hazards:	None known. Thermal decomposition products can be formed.

### Section 6: ACCIDENTAL RELEASE MEASURES

#### Personal Precautions:

Avoid all personal contact. In enclosed areas, cleanup personnel should wear self-contained breathing apparatus.

#### Environmental Precautions:

Cover spills with sawdust, vermiculite, or other absorbent material to minimize spreading of the material before collecting.

### Section 7: HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors. Use with adequate ventilation. Use appropriate personal protection equipment (Section 8). Wash thoroughly after handling.

**Storage:** Store in a cool dry place away from direct sunlight. Keep from freezing. Recommended storage temperature range in between 4 °C and 35 °C (40°F and 95° F).

## Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

**Engineering Measures:** Use local and general exhaust ventilation to maintain airborne concentrations below TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.

### Personal Protective Equipment:

#### Respiratory Protection

None normally required. Use a NIOSH approved organic vapor chemical cartridge respirator when air movement is inadequate to control vapor build-up.

#### Eye/Face Protection

Wear splash proof chemical goggles/ full face shield if there is a potential for splashing.

#### Skin / Body Protection

Wear Suitable gloves (neoprene, nitrile rubber or PVC) and protective clothing to mitigate exposure.

#### Other Protective Clothing or Equipment

Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Paste
Evaporation Rate:	N/A
Odor:	Slight Odor
Solubility in Water:	Insoluble
Specific Gravity (g/cc):	N/A
Vapor Density (air = 1):	Non-Volatile
Vapor Pressure:	N/A
VOC Content:	0 g/L (3.5 g/L when mixed)
pH:	N/D
Boiling Point:	N/A

## Section 10: STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong acids, peroxides, and other oxidizing agents.

### Hazardous

#### Decomposition

Products: Thermal decomposition can yield CO, CO<sub>2</sub>, and organic Nitrogen compounds

Conditions to Avoid: Exposure to excessive heat and storage above 35°C (95°F) will shorten shelf life.

## Section 11: TOXICOLOGY INFORMATION

Acute Oral Toxicity: Not Determined

Acute Dermal Toxicity: Not Determined

Acute Inhalation Toxicity: Not Determined

### Skin Irritation: Irritating to skin

The product has not been tested. The statement has been derived from the properties of the individual components.

Eye Irritation: Irritating to eyes.

The product has not been tested. The statement has been derived from the properties of the individual components.

Respiratory Irritation:

Inhalation of vapors or mists may cause irritation to the respiratory system.

Sensitization:

May cause allergic skin reaction and irritation to the respiratory system.

The product has not been tested. The statement has been derived from the properties of the individual components.

STOT – single exposure Not Determined

STOT – Repeated Exposure Not Determined

Carcinogenicity Classification: Not a known carcinogen.

## Section 12: ECOLOGICAL INFORMATION

Fish:

Diglycidyl Ether of Bisphenol A: Fathead minnow/LC50 (96hrs): >3.1mg/l

Aquatic Invertebrates:

Diglycidyl Ether of Bisphenol A:

Water Flea Daphnis/EC 50 (48hrs): > 1.4mg/l

Algae:

No Data Available

Microorganisms:

Diglycidyl Ether of Bisphenol A:

Bacteria, (Growth inhibition)/IC50 (18hrs): > 42.6mg/l

Mobility:

Considering the use of the substance, it is unlikely that significant environmental exposure in the air or water will arise.

## Section 13: DISPOSAL CONSIDERATIONS

If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.

## Section 14: TRANSPORTATION INFORMATION

This product is not regulated as a hazardous material for transportation.

## Section 15: REGULATORY INFORMATION

HMIS Rating	
Health	2
Flammability	1
Physical Hazard	0
PPE	B

NFPA Rating



Hazard Rating: 0 = minimal, 1 = Slight, 2 = moderate, 3 = severe, 4 = extreme

Federal Regulations:

CERCLA RQ

SARA Title 311/312 Not Determined

CA Prop 65 None known

TSCA Listed or Exempt

State Regulations:

State RTK

NJ, MA, PA

CAS#

25085-99-8

Chemical Name

Diglycidyl Ether of Bisphenol A

**Section 16: OTHER INFORMATION**

Hazard Communication: This SDS has been prepared in accordance with the federal OSHA Hazard Communication Standard

Issue Date: 04/23/2009

Revised Date: 06/12/2015

Version Number: 3

Revision Note: Updated to GHS format.

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product where instructions and recommendations are not followed. Any use of the product not in conformance with this SDS or in combination with any other product or process is the responsibility of the user.



# Material Safety Data Sheet

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

Ennis-Flint  
 115 Todd Court  
 Thomasville, NC 27360

Company Phone Number: 1-800-331-8118  
 24-Hour Emergency Phone: 1-800-424-9300 CHEMTREC

Product Name: **TrafficPatterns® Sealer<sub>2</sub> Part B**

Recommended Use: Bonding and Coating

Issue Date: 04/23/2009      Revised Date: 06/12/2015      Version Number: 3

## Section 2: HAZARDS IDENTIFICATION

Emergency Overview:      Color: NA      Form: Liquid      Odor: Slight

ROUTES OF ENTRY:      EYE: YES      SKIN: YES      INGESTION: YES      INHALATION: NO

GHS Label elements, including precautionary statements:

### Pictogram



### Signal word

**Warning**

Health	Physical	Environmental
Skin Corrosion Cat 1B Serious Eye Damage Cat 1 Reproductive Tox Cat 2 Carcinogen Cat 1A Acute Tox Oral Cat 4	Not Classified	Toxic to Aquatic Life Cat-2

Causes skin burns  
 Causes severe eye damage Suspected of damaging fertility May be harmful if inhaled  
 May cause cancer  
 Wash skin thoroughly after handling  
 Avoid breathing fume/gas/mist/vapors/spray  
 Wear protective gloves/ protective clothing/ eye protection/ face protection Use outdoors or in a well-ventilated area  
 Avoid contact during pregnancy/while nursing

Carcinogenicity: This product or one of its ingredients present at 0.1% or more IS listed as a carcinogen or suspect carcinogen by NTP, IARC, Prop 65 or OSHA.

This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of this product will create a possible silica dust hazard)

### Section 3: COMPOSITION INFORMATION

CAS Number	Content %	Chemical Name
140-31-8	20 – 30	n-aminoethylpiperazine
84852-15-3	15 – 30	Nonyl phenol
112-24-3	1 – 5	Triethylenetetramine
68082-29-1	15 – 30	Liquid Polyamide Resin
100-51-6	5 – 10	Benzyl Alcohol
2855-13-2	5 – 10	Isophoronediamine (IPD)
14808-60-7	15 – 30	Quartz Silica Sand (Crystalline Silica)

### Section 4: FIRST AID MEASURES

- Inhalation:
- Move to fresh air
  - Give oxygen if breathing is difficult.
  - Call a physician if symptoms persist.
- Eyes:
- Immediately flush eyes with plenty of water for at least 15 minutes.
  - Call a physician if symptoms persist.
- Skin:
- Remove contaminated clothing.
  - Wash with mild soap and water.
  - Get medical attention if skin irritation or dermatitis persists.
- Ingestion:
- If conscious, give plenty of water
  - Do not induce vomiting unless directed by a physician.
  - Call a physician immediately.
- Other:
- Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.
  - If sensitization occurs, future contact with the material should be avoided.

### Section 5: FIRE FIGHTING MEASURES

- Flash Point: >200 F
- Flammable Limits: N/A
- Extinguishable Media: Carbon Dioxide, Dry Chemical, Water Fog
- Special Fire Fighting Procedures: Use a self-contained breathing apparatus when fighting fires involving chemicals
- Unusual Fire and Explosion Hazards: None known. Thermal decomposition products can be formed.

### Section 6: ACCIDENTAL RELEASE MEASURES

#### Personal Precautions:

Avoid all personal contact. In enclosed areas, cleanup personnel should wear self-contained breathing apparatus.

#### Environmental Precautions:

Cover spills with sawdust, vermiculite, or other absorbent material to minimize spreading of the material before collecting.

### Section 7: HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors. Use with adequate ventilation. Use appropriate personal protection equipment (Section 8). Wash thoroughly after handling.

**Storage:** Store in a cool dry place away from direct sunlight. Keep from freezing. Recommended storage temperature range in between 4 °C and 35 °C (40°F and 95° F).

**Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

Component	CAS#	OSHA PEL	TLV
Phenol	108-95-2	5ppm (skin)	5ppm (skin)
Quartz Silica Sand (Crystalline Silica)	14808-60-7	0.1 mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup>
Benzyl Alcohol	100-51-6	50ppm (Ceiling)	100 mg/m <sup>3</sup>

**Engineering Measures:** Use local and general exhaust ventilation to maintain airborne concentrations below TLV. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.

**Personal Protective Equipment:**

## Respiratory Protection

None normally required. Use a NIOSH approved organic vapor chemical cartridge respirator when air movement is inadequate to control vapor build-up.

## Eye/Face Protection

Wear splash proof chemical goggles/ full face shield if there is a potential for splashing.

## Skin / Body Protection

Wear Suitable gloves (neoprene, nitrile rubber or PVC) and protective clothing to mitigate exposure.

## Other Protective Clothing or Equipment

Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Evaporation Rate:	N/A
Odor:	Slight Odor
Solubility in Water:	Insoluble
Specific Gravity (g/cc):	N/A
Vapor Density (air = 1):	Non-Volatile
Vapor Pressure:	N/A
VOC Content:	< 3.5 g/L (when mixed)
pH:	N/D
Boiling Point:	N/A

**Section 10: STABILITY AND REACTIVITY**

Stability: Stable

Incompatibility: Strong acids, peroxides, and other oxidizing agents.

## Hazardous

## Decomposition

Products: Thermal decomposition can yield CO, CO<sub>2</sub>, and organic Nitrogen compounds

Conditions to Avoid: Exposure to excessive heat and storage above 35°C (95°F) will shorten shelf life.

**Section 11: TOXICOLOGY INFORMATION**

Acute Oral Toxicity: Not Determined

Acute Dermal Toxicity: Not Determined

Acute Inhalation Toxicity: Not Determined



Skin Irritation: Corrosive to skin

The product has not been tested. The statement has been derived from the properties of the individual components.

Eye Irritation:

Severe damage to eyes.

The product has not been tested. The statement has been derived from the properties of the individual components.

Respiratory Irritation:

Inhalation of vapors or mists may cause lung irritation to the respiratory system.

Sensitization:

May cause allergic skin reaction and irritation to the respiratory system.

The product has not been tested. The statement has been derived from the properties of the individual components.

STOT – single exposure Not Determined

STOT – Repeated Exposure CNS, Skin, Kidney, Liver

Carcinogenicity Classification: Quartz Silica Sand (Crystalline Silica):

IARC Group1: Known human carcinogen based on human evidence.

NTP (National Toxicology Program) has classified Crystalline Silica as a known human carcinogen.

## Section 12: ECOLOGICAL INFORMATION

At the present state of knowledge, no negative ecological effects are expected. Past experiences have shown this material to have no harmful effect on the environment.

## Section 13: DISPOSAL CONSIDERATIONS

If the material as supplied becomes a waste, dispose in accordance with federal, state and local regulations.

## Section 14: TRANSPORTATION INFORMATION

### DOT (US)

CARTRIDGE: Limited Quantity, LTD QTY

BULK – Corrosive Liquid, n.o.s. (aminoethylpiperazine, 4-Nonylphenol, branched), Class 8, UN 1760, PG III

### IATA/ICAO

CARTRIDGE/BULK: Corrosive Liquid, n.o.s. (aminoethylpiperazine, 4-Nonylphenol, branched), Class 8, UN 1760, PG III

### IMDG

CARTRIDGE/BULK: Corrosive Liquid, n.o.s. (aminoethylpiperazine, 4-Nonylphenol, branched) Class 8, UN 1760, PG III

Marine pollutant: yes

## Section 15: REGULATORY INFORMATION

HMIS Rating	
Health	3
Flammability	1
Physical Hazard	0
PPE	B

NFPA Rating



Hazard Rating: 0 = minimal, 1 = Slight, 2 = moderate, 3 = severe, 4 = extreme

Federal Regulations:

SARA Title 311/312	Chronic Health Hazard
CA Prop 65	This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
TSCA Listed	

State Regulations:

State RTK  
NJ, MA, PA

<u>CAS#</u>	<u>Chemical Name</u>
14808-60-7	Quartz Silica Sand (Crystalline Silica)
140-31-8	n-aminoethylpiperazine

**Section 16: OTHER INFORMATION**

Hazard Communication: This SDS has been prepared in accordance with the federal OSHA Hazard Communication Standard

Issue Date: 04/23/2009      Revised Date: 06/12/2015      Version Number: 3  
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