



Material Safety Data Sheet

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Ennis-Flint
115 Todd Court
Thomasville, NC 27360

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

Product Name: **TrafficPatterns® Sealer₂ Part A**

Issue Date: 04/23/2009

Revised Date: 10/09/2014

Version Number: 2

Section 2: HAZARDS IDENTIFICATION

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

Potential Health Effects: See Section 11 for more information

Known Hazards: Skin and eye irritation

Signs and Symptoms
of Exposure:

Eyes: Irritation. Corneal injury is not expected.
Skin: Irritation. Can cause allergic skin reaction in susceptible individuals,
e.g. itching, redness, swelling, etc.
Inhalation: No ill effects expected. Heated vapors can cause irritation.

Medical Conditions
Aggravated by Exposure:

Skin, eye, and respiratory conditions

Routes of Exposure:
Carcinogenicity:

Dermal. Inhalation.
This product contains no listed carcinogens according to IARC, ACGIH, NTP
and/or OSHA in concentrations of 0.1 percent or greater.

Section 3: COMPOSITION INFORMATION

Component	CAS #	TLV	STEL	PEL	CONTENT.
Diglycidyl Ether of Bisphenol A	25085-99-8	none	none	none	> 50%
Alkyl Glycidyl Ether	68609-97-2	none	none	none	< 50%

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:
- Wash with soap and water
 - Launder contaminated clothing before reuse.
- Ingestion:
- If conscious, give plenty of water
 - Do not induce vomiting unless directed by a physician
 - Call a physician
- 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 Spray, Foam
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

Avoid all personal contact, scoop up with spade and place in disposable metal container. Flush contaminated areas.

Section 7: HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing. Avoid prolonged inhalation of vapors. Use with adequate ventilation. Wash thoroughly after handling. Store in a cool dry place out of direct rays of the sun. Keep from freezing. Recommended storage temperature range between 40° and 95°F.

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory Protection:	None normally required. Use a NIOSH-approved organic vapor chemical cartridge respirator when air movement is inadequate to control vapor build-up.
Ventilation:	General (natural or mechanical induced fresh air movements)
Eye Protection:	Wear splash proof chemical goggles
Protective Gloves:	Cloth or impermeable (neoprene or rubber) gloves
Other Protective Clothing Or Equipment:	Wear appropriate apparel to prevent skin contact

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Liquid	Odor:	Slight Odor
Boiling Point:	N/A	Vapor Pressure:	N/A
Solubility in Water:	Insoluble	Specific Gravity:	1.13
pH:	N/D	Vapor Density:	N/A
VOC Content:	N/A	Evaporation Rate:	N/A

Section 10: STABILITY AND REACTIVITY

Hazardous Polymerization:	Will not occur
Stability:	Stable
Incompatibility:	Strong acids, peroxides, and other oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition can yield CO, CO ₂ , and organic Nitrogen compounds
Conditions to Avoid:	Exposure to excessive heat and storage above 95° F will shorten shelf life.

Section 11: TOXICOLOGY INFORMATION

For detailed toxicological information on the components of this material, contact the address listed in Section 1 of this MSDS

Section 12: ECOLOGICAL INFORMATION

No information available.

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 Shipping Information:	<ul style="list-style-type: none"> ▪ Cartridge: consumer commodity, ORM-D ▪ Bulk: Corrosive liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III
ICAO Shipping Name:	<ul style="list-style-type: none"> ▪ Cartridge: Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PGIII, Ltd. Qty. ▪ Bulk: Corrosive liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PG III
IATA Shipping Name:	<ul style="list-style-type: none"> ▪ Cartridge and Bulk: Corrosive Liquids, NOS (aminoethylpiperazine, nonylphenol), Class 8, UN 1760, PGIII

Section 15: REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard.
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste.
SARA Title III, Section 313:	This product contains no chemicals which are subject to reporting under Section 313 of SARA Title III

Section 16: OTHER INFORMATION

	HMIS Rating	NFPA Hazard Rating
Health	1	1
Flammability	1	1
Reactivity	0	0
PPE	B	

TSCA Inventory Status: Chemical components listed on TSCA inventory

Abbreviations: PEL=OSHA Permissible Exposure Limit; TLV=ACGIH Threshold Limit Value; C=Ceiling; STEL=Short Term Exposure Limit; NE=None Established; NA=Not Applicable; ppm=parts per million

Issue Date: 04/23/2009
Revision Note: Review

Revised Date: 10/09/2014

Version Number: 2

To the best of our knowledge, the information contained herein is accurate. However, Ennis-Flint does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



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Product Name: **TrafficPatterns® Sealer₂ Part B**

Issue Date: 04/23/2009

Revised Date: 10/09/2014

Version Number: 2

Section 2: HAZARDS IDENTIFICATION

Emergency Overview: Color: Amber Form: Liquid Odor: Slight Amine Odor

Potential Health Effects: See Section 11 for more information

Known Hazards: Corrosive

Signs and Symptoms
of Exposure:

Eyes: Irritation. Possible eye burns.
Skin: Irritation. Can cause irritation and skin burns.
Inhalation: No ill effects expected. Heated vapors can cause irritation.

Medical Conditions
Aggravated by Exposure:

Skin, eye, and respiratory conditions

Routes of Exposure:

Dermal. Inhalation.

Carcinogenicity:

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater.

Section 3: COMPOSITION INFORMATION

Component	CAS #	TLV	STEL	PEL	CONTENT.
n-aminoethylpiperazine	140-31-8	none	none	none	> 10%
Triethylenetetramine	112-24-3	none	none	none	< 10%
Cycloaliphatic Amine	Proprietary	none	none	none	< 10%
Nonyl phenol	84852-15-3	none	none	none	< 35%
Polyamido Amine	68605-86-7	none	none	none	> 35%

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:

- Wash with soap and water
- Launder contaminated clothing before reuse.

Ingestion:

- If conscious, give plenty of water

- Do not induce vomiting unless directed by a physician
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Other:

- Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.
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Section 5: FIRE FIGHTING MEASURES

Flash Point:	>200 F
Flammable Limits:	N/A
Extinguishable Media:	Carbon Dioxide, Dry Chemical, Water Spray, Foam
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.

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Ventilation:	General (natural or mechanical induced fresh air movements)
Eye Protection:	Wear splash proof chemical goggles
Protective Gloves:	Cloth or impermeable (neoprene or rubber) gloves
Other Protective Clothing Or Equipment:	Wear appropriate apparel to prevent skin contact

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber Liquid	Odor:	Slight Amine Odor
Boiling Point:	N/A	Vapor Pressure:	N/A
Solubility in Water:	Insoluble	Specific Gravity:	0.96
pH:	N/D	Vapor Density:	N/A
VOC Content:	N/A	Evaporation Rate:	N/A

Section 10: STABILITY AND REACTIVITY

Hazardous Polymerization:	Will not occur
Stability:	Stable
Incompatibility:	Strong acids, peroxides, and other oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition can yield CO, CO ₂ , and organic Nitrogen compounds
Conditions to Avoid:	Exposure to excessive heat and storage above 95° F will shorten shelf life.

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Section 16: OTHER INFORMATION

	HMIS Rating	NFPA Hazard Rating
Health	2	2
Flammability	1	1
Reactivity	0	0
PPE	B	

TSCA Inventory Status: Chemical components listed on TSCA inventory

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