

Safety Data Sheet

EP5 MOD

Created On: 03/26/2015

Revision Date: 03/26/2015

Version: 1.0

1. Product and Company Identification

Product Name: EP5 MOD (Part A)

Product Use: Deck Overlay

Company Identification:
 ADHESIVES TECHNOLOGY CORP.
 450 East Copans Road
 Pompano Beach, FL 33064
 Contact Phone: 1.800.892.1880
 (9:00a.m. – 5:00p.m. EST)

Emergency Phone:
 Chem-Tel:
 1.800.255.3924 (24hrs)

2. Hazards Identification (Part A)

GHS Classification

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

GHS Label:

Warning:



Causes eye irritation
 Skin irritant
 May cause skin sensitization

Emergency Overview

Causes skin and eye irritation
 May cause skin sensitization
 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

Primary Route of Exposure

Eyes, skin and oral

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.

3. Composition/ Information on Ingredients (Part A)

CAS Number
 25085-99-8

Content %
 60 - 100

Chemical Name
 Diglycidyl Ether of Bisphenol A

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2425-79-8

5 – 10

1,4 Butanediol Diglycidyl Ether

4. First Aid Measures (Part A)

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: Give plenty of water. DO NOT induce vomiting. 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.

5. Fire Fighting Measures (Part A)

Flash Point: N/D

Flammable Limits: N/D

Extinguisher Media

Carbon Dioxide, Dry Chemical, Water Fog

Unusual Fire and Explosion Hazard

None known. Thermal decomposition can be formed.

Special Fire Fighting Procedures

Firefighters must wear self-contained breathing apparatus and full protective clothing to prevent contact with toxic and/or irritating fumes.

6. Accidental Release Measures (Part A)

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.

7. Handling and Storage (Part A)

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).

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8. Exposure Control and Personal Protection (Part A)

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.

9. Physical and Chemical Properties (Part A)

Appearance:	Liquid
Evaporation Rate:	N/D
Odor:	Slight Odor
Solubility in Water:	Insoluble
Specific Gravity (H ₂ O=1):	N/D
Vapor Density (air = 1):	N/D
Vapor Pressure:	N/D
VOC Content:	N/D
pH:	N/D
Boiling Point:	N/D

10. Stability and Reactivity (Part A)

Stability:	Stable.
Thermal Decomposition:	Can yield CO, CO ₂ and organic Nitrogen compounds.
Incompatibility:	Strong acids, peroxides, and other oxidizing agents.
Conditions to avoid:	Exposure to excessive heat and storage above 35°C (95°F) will shorten shelf life.

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11. Toxicological Information (Part A)

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.

Carcinogenicity Classification:

No known carcinogens.

12. Ecological Information (Part A)

Acute Toxicity for:

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:

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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.

13. Disposal Considerations (Part A)

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

14. Transportation Information (Part A)

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

15. Regulatory Information (Part A)

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

SARA Title 311/312

Chronic Health Hazard

CA Prop 65

Not Regulated

TSCA

Listed

State Regulations:

State RTK
NJ, MA, PA

CAS#
25085-99-8

Chemical Name
Diglycidyl Ether of Bisphenol A



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16. Other Information (Part A)

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

To the best of our knowledge, the information contained herein is accurate. However, Adhesives Technology Corp. 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.

Additional information is available upon request.

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1. Product and Company Identification

Product Name: EP5 MOD (Part B)

Product Use: Deck Overlay

Company Identification:
 ADHESIVES TECHNOLOGY CORP.
 450 East Copans Road
 Pompano Beach, FL 33064
 Contact Phone: 1.800.892.1880
 (9:00a.m. – 5:00p.m. EST)

Emergency Phone:
 Chem-Tel:
 1.800.255.3924 (24hrs)

2. Hazards Identification (Part B)

GHS Classification

Health	Physical	Environmental
Skin Corrosion Cat 1B Serious Eye Damage Cat 1 Skin Sen 1 Reproductive Tox Cat 2	Not Classified	Toxic to Aquatic Life Cat-2

GHS Label:

Danger:



Corrosive to skin and eyes



May cause skin sensitization



Reproductive toxicity

Emergency Overview

Causes skin burns

Causes severe eye damage

May cause skin sensitization

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

Primary Route of Exposure

Eyes, skin and oral

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.

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3. Composition/ Information on Ingredients (Part B)

<u>CAS Number</u>	<u>Content</u>	<u>Chemical Name</u>
140-31-8	1 – 5	n-aminoethylpiperazine
9046-10-0	7 – 15	Polyoxypropylenediamine
68953-36-6	7– 15	Modified Polyamide
111-40-0	1 – 5	Diethylenetriamine
80-05-7	1 – 5	Bisphenol A
107-15-3	7 – 15	Ethylene diamine
84852-15-3	15 – 30	Nonyl phenol
90-72-2	7 – 15	2,4,6-Tri(dimethylaminomethyl)phenol
108-95-2	1 – 5	Phenol
1477-55-0	1 - 5	Methaxylene Diamine (MXDA)
100-51-6	1 – 5	Benzyl Alcohol

4. First Aid Measures (Part B)

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: Give plenty of water. DO NOT induce vomiting. 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.

5. Fire Fighting Measures (Part B)

Flash Point: N/D

Flammable Limits: N/D

Extinguisher Media

Carbon Dioxide, Dry Chemical, Water Fog

Unusual Fire and Explosion Hazard

None known. Thermal Decomposition can be formed.

Special Fire Fighting Procedures

Firefighters must wear self-contained breathing apparatus and full protective clothing to prevent contact with toxic and/or irritating fumes.

6. Accidental Release Measures (Part B)

Personal Precautions:

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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.

7. Handling and Storage (Part B)

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).

8. Exposure Control and Personal Protection (Part B)

Exposure Guidelines

Component	CAS#	OSHA PEL	TLV
Ethylene Diamine	107-15-3	10ppm	10ppm

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.

9. Physical and Chemical Properties (Part B)

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Appearance:	Liquid
Evaporation Rate:	N/D
Odor:	Slight Odor
Solubility in Water:	Insoluble
Specific Gravity (H ₂ O=1):	N/D
Vapor Density (air = 1):	N/D
Vapor Pressure:	N/D
VOC Content:	N/D
pH:	N/D
Boiling Point:	N/A

10. Stability and Reactivity (Part B)

Stability:	Stable.
Thermal Decomposition:	Can yield CO, CO ₂ and organic Nitrogen compounds.
Incompatibility:	Strong acids, peroxides, and other oxidizing agents.
Conditions to avoid:	Exposure to excessive heat and storage above 35°C (95°F) will shorten shelf life.

11. Toxicological Information (Part B)

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 irritation to the respiratory system.

Sensitization:

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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.

Maternal Toxicity:

Nonylphenol causes maternal toxic effects per animal testing.

Carcinogenicity Classification:

No known carcinogens

12. Ecological Information (Part B)

Fish:

Bisphenol A:

Fathead minnow/LC50 (96hrs): >3.1mg/l

Aquatic Invertebrates:

Bisphenol A:

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

Algae:

No Data Available

Microorganisms:

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.

13. Disposal Considerations (Part B)

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

14. Transportation Information (Part B)

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

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IMDG

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

15. Regulatory Information (Part B)

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

CA Prop 65

TSCA

State Regulations:

State RTK
NJ, MA, PA

CAS#
140-31-8

Chronic Health Hazard

This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Listed

Chemical Name
n-aminoethylpiperazine

16. Other Information

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

To the best of our knowledge, the information contained herein is accurate. However, Adhesives Technology Corp. 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.

Additional information is available upon request.