

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Flexi-Bond540, 545 Part B  
Product Use: Curing Agent for Flexi-Bond 540, 545 Part A

### Company Identification

Edison Coatings, Inc.  
3 Northwest Drive  
Plainville, CT 06062

Edison Coatings Tech Info Phone: 1-860-747-2220  
Emergency Phone: 1-800-535-5053

## 2. HAZARDS IDENTIFICATION

### Primary Routes of Exposure:

Eye contact  
Inhalation  
Skin Contact

### Eye Contact:

- Corrosive to the eyes
- Severe eye irritation

### Skin Contact:

- Corrosive to the skin, may cause skin sensitization
- Severe skin irritation

### Ingestion:

- Harmful if swallowed

### Inhalation:

- Severe respiratory tract irritant

### Target Organ and Other Health Effects:

- No information is known on relative effects on target organs.

## Carcinogens:

- This product has no known carcinogenic effects

### 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient Name CAS-No.	Approx. Weight%	Chemical Name
Nonylphenol 25154-52-3	<10%	4-(2,4-dimethylheptan-3-yl)phenol
Tetraethylenepentamine 112-57-2	<10%	Tetraethylenepentamine
Hydrogenated Formaldehyde polymer with benzenamine 135108-88-2	>30%	-

### 4. First Aid Measures

#### Eye Contact:

Flush eyes with plenty of water for 15 min. while holding eyelids open. Get medical attention.

#### Skin Contact:

Remove contaminated clothing and wipe excess from skin. Flush skin with water. Cover the affected area with a sterile dressing or clean sheeting and transport for medical care. Do not apply greases or ointments. Control shock, if present. Launder contaminated clothing before reuse.

#### Ingestion:

Do not induce vomiting. In the event of ingestion, administer 3-4 glasses of milk or water. Seek medical attention.

#### Inhalation:

Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

#### Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders.

### 5. FIRE FIGHTING MEASURES

#### Extinguishing Media:

Water spray, Alcohol foam, dry chemical, Carbon Dioxide (CO<sub>2</sub>)

**Unusual fire and explosion hazards:**

May generate toxic or irritating combustion products, carbon monoxide gas, toxic nitrogen oxide gases, or ammonia gas. Personnel in vicinity and downwind should be evacuated.

**Fire Fighting Procedures:**

Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots) and a positive pressure NIOSH-approved, self-contained breathing apparatus. Cool fire-exposed containers with water.

## **6. ACCIDENTAL RELEASE MEASURES**

**Action to be taken if material is released or spilled:**

Use cautious judgment when cleaning up large spills. When dealing with large spills, wear respirator and protective clothing as appropriate. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material; dispose of properly. Flush area with water to remove trace residue. When dealing with small spills, take up with an absorbent material and dispose of properly.

## **7. HANDLING AND STORAGE**

**Precautions to be taken in handling and storage:**

Store in a cool, dry place with adequate ventilation. Keep away from acids and oxidizers. Store in steel containers preferably located outdoors, above ground, and surrounded by dikes to contain spills or leaks. Do not store in iron or other reactive metal containers.

## **8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS**

**Personal Protective Equipment****Eye and Face Protection:**

Wear chemical goggles along with a full face shield.

**Skin Protection:**

Wear chemical resistant gloves as required to minimize contact. Wear industry appropriate attire.

**Other Personal Protection Data:**

Eye wash fountains and safety showers should be available for emergency use. Usual industrial work clothes should be worn.

**Respiratory Protection:**

Avoid breathing vapor or mists. If exposure may or does exceed occupational exposure limits, use a NIOSH-approved respirator to prevent overexposure.

**Ventilation:**

Use local exhaust or general dilution ventilation to control exposure within applicable limits.

**Exposure Guidelines**

There is no data available on either OSHA Permissible Exposure Limits (PEL's) or ACGIH Threshold Limit Value (TLV's) for components of product.

**9. PHYSICAL PROPERTIES**

Odor:	Normal for this product.
Physical State:	Amber-colored Liquid
pH:	Alkaline
Vapor Pressure (mmHg):	<2.0
Vapor Density (Air=1):	Not Determined
Boiling Point:	>385°F
Solubility in Water:	<1%
Coefficient of water/oil distribution:	Not Determined
Density (grams per milliliter):	0.97
Evaporation Rate (Ether=1):	Not Determined
Flash Point (Fahrenheit):	>267°F
Flash Point (Celsius):	>130°C
Lower Explosive Limit (%):	Not Determined
Upper Explosive Limit (%):	Not Determined
Autoignition temperature:	Not Determined

**10. STABILITY AND REACTIVITY**

Stability:	Stable
Conditions to Avoid:	Heat, open flame
Incompatibility:	Strong oxidizing agents, strong acids, strong bases
Hazardous Polymerization:	None anticipated.
Hazardous Decomposition Products:	Carbon Monoxide, Carbon Dioxide, Aldehydes, and Acids
Sensitivity to static discharge:	Not determined.

**11. TOXICOLOGICAL INFORMATION****Mutagens/Teratogens/Carcinogens:**

This product is not known to have mutagenic or carcinogenic effects.

## **12. ECOLOGICAL DATA**

No information on ecology is available.

## **13. DISPOSAL CONSIDERATIONS**

Dispose in compliance with all Federal, State, and local Regulations.

## **14. TRANSPORTATION INFORMATION**

No information on transportation is available.

## **15. REGULATORY INFORMATION**

### US FEDERAL REGULATIONS

#### TOXIC SUBSTANCES CONTROL ACT (TSCA) –

All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

OSHA Hazard Communication Standard (29CFR1910.1200) Hazard Class(es)  
Corrosive.Sensitizer.

#### EPA SARA TITLE Section 312

Immediate health hazard.Delayed health hazard.

### STATE REGULATION

#### CALIFORNIA PROPOSITION 65 SUBSTANCES

None

#### NEW JERSEY TRADE SECRET REGISTRY NUMBERS

05995500-(hi1784U) (component), 31765300002-6030P State Code PA3, NJ4

### CANADA

DSL: Included on inventory

WHMIS HAZARD CLASSIFICATION: Class D Division 2B, Class E Corrosive

WHMIS INGREDIENT DISCLOSURE LIST: Tetraethylenepentamine, Nonylphenol

WHMIS SYMBOLS: Test tube/hand, Stylized T

## **16. OTHER INFORMATION**

Effective Date: 18/Apr/2016  
Revision Date: 26/Feb/2014