



# American Industrial Safety Data Sheet

## 1. Product and Company Information

Product Information	Company Information
Product Name: <b>TerraFlex Part A</b>	American Industrial
Product Type: Epoxy Floor Coating	1218 W 41st ST STE B
Date MSDS Prepared: 07/01/2015	Tulsa, OK 74107
Supersedes: 03/01/2012	Information: 918-445-0627
MSDS Prepared by: jrc	

**\*\*\* 24 Hour Emergency Phone Number: Infotrac: 1-800-535-5053 \*\*\***

## 2. Hazards Identification

**Emergency Overview:** Skin sensitizer. Repeated exposure may cause rash or other allergic reaction. Eye irritant. Will not permanently damage eye tissue. Inhalation irritant. May cause respiratory tract irritation, headache, and dizziness. High vapor concentrations may cause bronchitis, coughing, chest pain, and depression of central nervous system. Harmful if swallowed. May cause vomiting and diarrhea, unconsciousness with convulsions.

### GHS Classification:

Acute toxicity (oral)	Category 4
Skin corrosion/irritation	Category 2
Skin sensitization	Category 1
Chronic aquatic toxicity	Category 2

### GHS Label Elements:

#### Hazard Symbols:



**Signal Words:** Warning

### Hazard Statements:

- H302 Harmful if swallowed
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H411 Toxic to aquatic life with long lasting effects

**Precautionary Statements:**

Prevention: P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
 P264 Wash hands thoroughly after handling  
 P270 Do not eat, drink, or smoke when handling this product  
 P272 Contaminated work clothing should not be allowed out of the workplace  
 P273 Avoid release to the environment  
 P280 Wear protective gloves/protective clothing /eye protection/face protection

Response: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water  
 P330 Rinse mouth  
 P333+P313 If skin irritation or rash occurs: get medical advice/attention  
 P362 Take off contaminated clothes and wash before reuse  
 P391 Collect spillage

Storage: Not applicable

Disposal: P501 Dispose of contents/container in accordance with local/regional/national regulation.

### 3. Composition/Information on Ingredients

Ingredient	Wt. Percent Range	CAS
Bisphenol A epoxy polymer	50-70	25085-99-8
Benzyl alcohol	10-30	100-51-6
Acrylic ester	10-30	Proprietary
Urethane acrylate	10-30	Proprietary

### 4. First Aid Measures

**Skin Contact:** Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation occurs. Wash contaminated clothes separately before reuse.

**Eye Contact:** Remove contact lenses at once. Immediately flush with water for at least 15 minutes. Hold eyelids apart while rinsing. Seek medical attention if irritation persists.

**Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration. If symptoms persist, seek medical attention.

**Ingestion:** Do **NOT** induce vomiting. Get immediate medical attention. Never give something by mouth to an unconscious or convulsing person.

### 5. Fire Fighting Measures

**Flash Point:** 210°F (TCC)                      **Flammable Limits:** LEL = Not Established                      UEL = Not Established

**Extinguishing Media:** Use foam, carbon dioxide, dry chemical or water fog.

**Fire Fighting Procedures:** Full protective clothing and self contained breathing apparatus should be worn. Use water fine spray to cool containers.

**Unusual Fire and Explosion Hazards:** Closed containers can explode due to buildup of pressure.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

## 6. Accidental Release Measures

**Spill Response:** Ventilate the area. Contain spill if possible, preventing entry into sewers and waterways. Absorb with an inert material such as dry sand or earth and place in a chemical waste container for disposal. Avoid combustible materials such as sawdust. Avoid personal contact.

## 7. Handling and Storage

**Handling:** Handle in a manner to minimize personal contact.

**Storage:** Store at normal room temperature away from heat, sparks, and flames. Keep container tightly closed when not in use.

## 8. Exposure Control/Personal Protection

### Exposure Limits

Ingredient	ACGIH TLV	Oral LD 50	Dermal LD 50	Inhalation LC 50
Bisphenol A epoxy polymer	Not Established	Not Established	Not Established	Not Established
Benzyl alcohol	Not Established	1-3 g/kg	2 ml/kg	1000 ppm/8 hrs
Acrylic ester	Not Established	Not Established	Not Established	Not Established
Urethane acrylate	Not Established	Not Established	Not Established	Not Established

### Personal Protective Equipment

**Skin:** Wear impervious gloves, clothing, and boots.

**Eyes:** Do not wear contact lenses. Wear safety glasses with side shield.

**Respiratory:** Not ordinarily required. When necessary, use a properly fitting NIOSH/MSHA approved respirator with organic vapor cartridge.

**Ventilation:** Provide adequate ventilation, particularly in confined areas.

**Hygienic Practices:** Wash face and hands thoroughly before eating or drinking..

## 9. Physical and Chemical Properties

<b>Physical State:</b> Liquid	<b>Boiling Point:</b> >300°F
<b>Odor:</b> Low	<b>Vapor Pressure:</b> <0.1 mm Hg at 70°F
<b>Specific Gravity:</b> 1.11	<b>Vapor Density:</b> Heavier than air
<b>Volatile by Volume:</b> <1%	<b>Solubility in Water:</b> Slight Solubility

## 10. Stability and Reactivity

**Stability:** Stable under normal conditions.

**Hazardous Polymerization:** Will not occur.

**Conditions and Materials to Avoid:** Bases, strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

## 11. Toxicological Information

**Chronic Exposure:** Allergic reaction and skin sensitization.

**Mutagens:**

**Teratogens:**

**Carcinogens:**

No information available if blank.

## 12. Ecological information

Not available at this time.

## 13. Disposal Considerations

Dispose of in accordance with federal, state, and local regulations.

## 14. Transport Information

	<b>U.S. DOT</b>	<b>IATA</b>	<b>International Maritime</b>
<b>Shipping Name:</b>	Paint, Not regulated	Paint, Not regulated	Paint, Not regulated
<b>Hazard Class:</b>	Not Regulated	Not Regulated	Not Regulated
<b>UN ID Number:</b>	NA	NA	NA
<b>Packing Group:</b>	NA	NA	NA

## 15. Regulatory Information

### U.S. FEDERAL REGULATIONS:

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

### SARA 311/312 Hazard Class:

Acute:	Yes
Chronic:	Yes
Flammability:	No
Reactivity:	No
Sudden Pressure:	No

**SARA Reporting Requirements:** The components of this product are not subject to the reporting requirements of Sections 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**SARA Threshold Planning Quantity:** Not applicable.

**CERCLA Reportable Quantity (RQ):** Not listed

**U.S. STATE REGULATIONS:**

**Rule 66 Status:** Not photochemically reactive

**INTERNATIONAL REGULATIONS:**

**TSCA Inventory:** All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

**Canada Domestic Substances List:** All components of this product are listed on the Domestic Substances List

**16. Other Information**

<b>HMIS Codes:</b>	HEALTH	2
	FIRE	1
	REACTIVITY	2



# American Industrial Safety Data Sheet

## 1. Product and Company Information

Product Information		Company Information	
Product Name:	<b>TerraFlex Part B</b>	American Industrial	
Product Type:	Epoxy Floor Coating	1218 W 41st ST STE B	
Date MSDS Prepared:	07/01/2015	Tulsa, OK 74107	
Supersedes:	03/01/2012	Information: 918-445-0627	
MSDS Prepared by:	jrc		

**\*\*\* 24 Hour Emergency Phone Number: Infotrac: 1-800-535-5053 \*\*\***

## 2. Hazards Identification

**Emergency Overview:** Corrosive. May cause burns resulting in permanent damage to skin. May cause burns resulting in permanent damage to eyes. May cause upper respiratory tract irritation with shortness of breath and difficulty breathing. May cause permanent damage to mouth, throat, and stomach.

### GHS Classification:

Acute toxicity (oral)	Category 4
Acute toxicity (dermal)	Category 4
Skin corrosion/irritation	Category 1B
Skin sensitization	Category 1
Long term aquatic hazard	Category 3

### GHS Label Elements:

#### Hazard Symbols:



**Signal Words:** Danger

### Hazard Statements:

- H302+H312 Harmful if swallowed or in contact with skin
- H314 Causes severe skin burns and eye damage
- H317 May cause an allergic skin reaction
- H412 Harmful to aquatic life with long lasting effects

### Precautionary Statements:

Prevention: P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
P264 Wash hands thoroughly after handling  
P270 Do not eat, drink, or smoke when handling this product  
P272 Contaminated work clothing should not be allowed out of the workplace  
P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing /eye protection/face protection

Response: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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  
P310 Immediately call a POISON CENTER or doctor/physician  
P333+P313 If skin irritation or rash occurs: get medical advice/attention  
P363 Wash contaminated clothing before reuse

Storage: P405 Store locked up

Disposal: P501 Dispose of contents/container in accordance with local/regional/national regulation.

## 3. Composition/Information on Ingredients

Ingredient	Wt. Percent Range	CAS
Cycloaliphatic amine mixture	100	Proprietary

## 4. First Aid Measures

**Skin Contact:** Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation occurs. Wash contaminated clothes separately before reuse.

**Eye Contact:** Remove contact lenses at once. Immediately flush with water for at least 15 minutes. Hold eyelids apart while rinsing. Seek medical attention if irritation persists.

**Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration. If symptoms persist, seek medical attention.

**Ingestion:** Do **NOT** induce vomiting. Get immediate medical attention. Never give something by mouth to an unconscious or convulsing person.

## 5. Fire Fighting Measures

**Flash Point:** 243°F (TCC)                      **Flammable Limits:** LEL = 1.2% (V)                      UEL = Not Established

**Extinguishing Media:** Use foam, carbon dioxide, dry chemical or water fog. Do not use a solid water stream as it may scatter and spread fire.

**Fire Fighting Procedures:** Full protective clothing and self contained breathing apparatus should be worn. Use water fine spray to cool containers.

**Unusual Fire and Explosion Hazards:** Closed containers can explode due to buildup of pressure.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitrous gases, ammonia.

## 6. Accidental Release Measures

**Spill Response:** Ventilate the area. Contain spill if possible, preventing entry into sewers and waterways. Absorb with an inert material such as dry sand or earth and place in a chemical waste container for disposal. Avoid personal contact.

## 7. Handling and Storage

**Handling:** Handle in a manner to minimize personal contact.

**Storage:** Store at normal room temperature away from heat, sparks, and flames. Keep container tightly closed when not in use.

## 8. Exposure Control/Personal Protection

### Exposure Limits

Ingredient	ACGIH TLV	Oral LD 50	Dermal LD 50	Inhalation LC 50
Polyamine mixture	Not Established	Not Established	Not Established	Not Established

### Personal Protective Equipment

**Skin:** Wear impervious gloves, clothing, and boots.

**Eyes:** Do not wear contact lenses. Wear safety glasses with side shield.

**Respiratory:** Not ordinarily required. When necessary, use a properly fitting NIOSH/MSHA approved respirator with organic vapor cartridge.

**Ventilation:** Provide adequate ventilation, particularly in confined areas.

## 9. Physical and Chemical Properties

<b>Physical State:</b> Liquid	<b>Boiling Point:</b> >300°F
<b>Odor:</b> Amine odor	<b>Vapor Pressure:</b> <0.1 mm Hg at 70°F
<b>Specific Gravity:</b> 0.99	<b>Vapor Density:</b> Heavier than air
<b>Volatile by Volume:</b> <1%	<b>Solubility in Water:</b> Slight Solubility

## 10. Stability and Reactivity

**Stability:** Stable under normal conditions.

**Hazardous Polymerization:** Will not occur.

**Conditions and Materials to Avoid:** Acids, strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, nitrous gases, ammonia.



## 11. Toxicological Information

**Chronic Exposure:** Allergic reaction and skin sensitization.

**Mutagens:**

**Teratogens:**

**Carcinogens:**

No information available if blank.

## 12. Ecological information

Not available at this time.

## 13. Disposal Considerations

Dispose of in accordance with federal, state, and local regulations.

## 14. Transport Information

	<b>U.S. DOT</b>	<b>IATA</b>	<b>International Maritime</b>
<b>Shipping Name:</b>	Paint Related Material	Paint Related Material	Paint Related Material
<b>Hazard Class:</b>	8	8	8
<b>UN ID Number:</b>	3066	3066	3066
<b>Packing Group:</b>	III	III	III

## 15. Regulatory Information

### U.S. FEDERAL REGULATIONS:

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

### SARA 311/312 Hazard Class:

Acute:	Yes
Chronic:	Yes
Flammability:	No
Reactivity:	No
Sudden Pressure:	No

**SARA Reporting Requirements:** The components of this product are not subject to the reporting requirements of Sections 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**SARA Threshold Planning Quantity:** Not applicable.

**CERCLA Reportable Quantity (RQ):** Not listed

### U.S. STATE REGULATIONS:

**Rule 66 Status:** Not photochemically reactive

**INTERNATIONAL REGULATIONS:**

**TSCA Inventory:** All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

**Canada Domestic Substances List:** All components of this product are listed on the Domestic Substances List

**16. Other Information**

<b>HMIS Codes:</b>	HEALTH	3
	FIRE	1
	REACTIVITY	0