



American Industrial Safety Data Sheet

1. Product and Company Information

Product Information	Company Information
Product Name: TerraSeal Part A	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	70-90	25085-99-8
Benzyl alcohol	5-15	100-51-6
Nonyl phenol	5-15	84852-15-3

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
Nonyl phenol	Not Established	1620 mg/kg	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

Physical State: Liquid	Boiling Point: >300°F
Odor: Low	Vapor Pressure: <0.1 mm Hg at 70°F
Specific Gravity: 1.12	Vapor Density: Heavier than air
Volatile by Volume: <1%	Solubility in Water: 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

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

HMIS Codes:	HEALTH	2
	FIRE	1
	REACTIVITY	0



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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
Cycloaliphatic amine 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

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

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

HMIS Codes:	HEALTH	3
	FIRE	1
	REACTIVITY	0