



American Industrial Safety Data Sheet

1. Product and Company Information

Product Information	Company Information
Product Name: TerraThane Part A	American Industrial
Product Type: Polyurea 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: May irritate skin. Repeated exposure may cause sensitization. May cause severe eye irritation. Inhalation irritant. May cause upper respiratory tract irritation or sensitization. Harmful if swallowed. Irritating to mouth, throat, and stomach.

GHS Classification:

Serious Eye damage/Eye Irritant
Skin sensitization

Category 2A
Category 1

GHS Label Elements:

Hazard Symbols:



Signal Words: Warning

Hazard Statements:

H317 May cause an allergic skin reaction
H319 Causes serious eye irritation

Precautionary Statements:

Prevention: P261 Avoid breathing dust/gas/mist/vapours/spray
P264 Wash hands thoroughly after handling
P272 Contaminated work clothing should not be allowed out of the workplace

Response: P280 Wear protective gloves/protective clothing /eye protection/face protection
P302+P352 IF ON SKIN (or hair): Wash with plenty of soap and water
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention
P363 Wash contaminated clothing before reuse

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
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: 200°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. Ammonia gas may be liberated at high temperatures.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides.

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
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: Low	Vapor Pressure: <0.1 mm Hg at 70°F
Specific Gravity: 1.05	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, nitrogen oxides.

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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2. Hazards Identification

Emergency Overview: Skin sensitizer. Respiratory sensitizer. May irritate skin. Eye irritant. Will not permanently damage eye tissue. Inhalation irritant. This product presents an elevated inhalation health risk when used in spray applications. Harmful if swallowed. May enter lungs and cause damage.

GHS Classification:

Acute toxicity (oral)	Category 4
Single target organ toxicity	Category 3, irritating to respiratory system – Single exposure
Skin sensitization	Category 1

GHS Label Elements:

Hazard Symbols:



Signal Words: Warning

Hazard Statements:

H317 May cause an allergic skin reaction
H332 Harmful if inhaled
H335 May cause respiratory irritation

Precautionary Statements:

Prevention: P260 Do not breathe dust/gas/mist/vapours
P264 Wash hands thoroughly after handling

P271 Use only outdoors or in a well ventilated area
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing /eye protection/face protection
Response: P333+P311 If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician
P304+P340 IF INHALED: Remove to fresh air and keep comfortable for breathing
P303+P352 IF ON SKIN (or hair): Wash with plenty of soap and water
P362+P364 Take off contaminated clothing and wash before reuse
Storage: P403+P233 Store in a well ventilated place. Keep container tightly closed.
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
Homopolymer of hexamethylene diisocyanate	100	28182-81-2
Hexamethylene diisocyanate	<0.15	822-06-0

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. Provide oxygen if breathing is difficult. Asthmatic symptoms may develop and may be delayed. 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: 316°F (TCC) **Flammable Limits:** LEL = Not Established UEL = Not Established

Extinguishing Media: For small fires, use carbon dioxide or dry chemical; do not use water.

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 under extreme heat or when contents are contaminated with water. Isocyanate vapors and other irritating, highly toxic gases may be generated by combustion.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, HDI, HCN

6. Accidental Release Measures

Spill Response: Remove sources of ignition. 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. Wash area with decontamination solution.

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 to prevent moisture contamination. Do not reseal if contamination is suspected.

8. Exposure Control/Personal Protection

Exposure Limits

Ingredient	ACGIH TLV	Oral LD 50	Dermal LD 50	Inhalation LC 50
Homopolymer of HDI	0.5 ppm/1.0ppm	>10,000 mg/kg	>5000 mg/kg	137-1150 ppm
Hexamethylene diisocyanate	0.005 ppm/.02C	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 required below threshold limits (Section 8). When necessary, use a properly fitting NIOSH/MSHA respirator approved for isocyanates.

Ventilation: Provide adequate ventilation, particularly in confined areas.

9. Physical and Chemical Properties

Physical State: Liquid	Boiling Point: >382 °F
Odor: Low odor	Vapor Pressure: <0.01 mm Hg at 70°F
Specific Gravity: 1.16	Vapor Density: Heavier than air
Volatile by Volume: <1%	Solubility in Water: Insoluble, reacts

10. Stability and Reactivity

Stability: Stable under normal conditions.

Hazardous Polymerization: May occur from contact with moisture or other materials which react with isocyanates.

Conditions and Materials to Avoid: Reacts violently with water, alcohols, bases, and amines.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, HDI, HCN.

11. Toxicological Information

Chronic Exposure: Eyes: May cause conjunctivitis. Skin: Sensitization. Inhalation: Isocyanate sensitization (chemical asthma) and lung damage.

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
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