



American Industrial Safety Data Sheet

1. Product and Company Information

Product Information		Company Information
Product Name:	TerraThane 1 BlueLine Part A	American Industrial
Product Type:	Polyurea Floor Coating	1218 W 41st ST STE B
Date MSDS Prepared:	01/01/2016	Tulsa, OK 74107
Supersedes:	NA	Information: 918-445-0627
MSDS Prepared by:	jrc	

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

2. Hazards Identification

GHS Classification:

Flammable Liquid	Category 3
Carcinogen	Category 2
Target Organ (Central Nervous System)	Category 3
Target Organ (Respiratory Irritant)	Category 3
Aspiration Toxicant	Category 1
Skin sensitization	Category 1

GHS Label Elements:

Hazard Symbols:



Signal Words: Danger

Hazard Statements:

- H317 May cause an allergic skin reaction
- H226 Flammable liquid and vapor
- H304 May be fatal if swallowed and enters airways
- H335 May cause respiratory irritation
- H336 May cause drowsiness or dizziness
- H351 Suspected of causing cancer

Precautionary Statements:

Prevention: P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical, ventilating, and lighting equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P261 Avoid breathing mist/vapours
P271 Use only outdoors in a well ventilated area
P280 Wear protective gloves/protective clothing /eye protection/face protection

Response: P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352 IF ON SKIN (or hair): Wash with plenty of soap and water
P304+P340 IF INHALED: Remove person to fresh air and get in a comfortable position
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

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
Amine mixture	60-80	Proprietary
Solvent Naptha	10-30	64742-95-6
1,2,4-Trimethylbenzene	5-20	95-63-6

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: 115°F **Flammable Limits:** LEL = 0.9 UEL = 6.2

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: Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.

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

6. Accidental Release Measures

Spill Response: Eliminate all ignition sources. 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. Use only with adequate ventilation. Do not enter storage areas or confined spaces unless adequately ventilated.

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
Solvent Naptha	100 mg/m ³ TWA	3492 mg/kg	>3160 mg/kg	Not Established
1,2,4-Trimethylbenzene	25 mg/m ³ TWA	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: 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: Aromatic	Vapor Pressure: 0.269 kPa Hg at 20°C
Specific Gravity: 1.01	Vapor Density: 4.2
Volatile by Volume: 21%	Solubility in Water: Negligible

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: Not expected to be a germ cell mutagen.

Teratogens:

Carcinogens: Tests caused cancer in laboratory animals, but the relevance to humans is uncertain.

No information available if blank.

12. Ecological information

Expected to be toxic to aquatic organisms. May cause long term effects in the aquatic environment.

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:	3	3	3
UN ID Number:	UN1263	UN1263	UN1263
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:	Yes
Reactivity:	No
Sudden Pressure:	No

SARA Reporting Requirements: The following components of this product are subject to the reporting requirements of Sections 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

1,2,4,-Trimethylbenzene

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	3
	REACTIVITY	0



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Precautionary Statements:

Prevention: P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical, ventilating, and lighting equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P260 Do not breathe dust/fume/gas/mist/vapours/spray
P271 Use only outdoors in a well ventilated area
P280 Wear protective gloves/protective clothing /eye protection/face protection

Response: P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352 IF ON SKIN (or hair): Wash with plenty of soap and water
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P333+P313 If skin irritation or rash occurs: Get medical advice/attention

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
Hexanethylene diisocyanate, oligomers	60-80	28182-81-2
Solvent Naptha	10-30	64742-95-6
1,2,4-Trimethylbenzene	5-20	95-63-6

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: 115°F **Flammable Limits:** LEL = 0.9 UEL = 6.2

Extinguishing Media: Use foam, carbon dioxide, dry chemical or powders. 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. Ensure there is NO direct contact between the water and the product.

Unusual Fire and Explosion Hazards: Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.

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

6. Accidental Release Measures

Spill Response: Eliminate all ignition sources. 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. Use only with adequate ventilation. Do not enter storage areas or confined spaces unless adequately ventilated.

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
Hexanethylene diisocyanate, oligomers	0.034 mg/m ³	746 mg/kg	>7000 mg/kg	0.124 mg/l
Solvent Naptha	100 mg/m ³ TWA	3492 mg/kg	>3160 mg/kg	Not Established
1,2,4-Trimethylbenzene	25 mg/m ³ TWA	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: 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: Aromatic	Vapor Pressure: 0.269 kPa Hg at 20°C
Specific Gravity: 1.01	Vapor Density: 4.2
Volatile by Volume: 44%	Solubility in Water: Negligible

10. Stability and Reactivity

Stability: Stable under normal conditions.

Hazardous Polymerization: Reacts with alcohols, amines, strong acids, water.

Conditions and Materials to Avoid: Extreme heat, open flame, moisture, ignition sources.

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

11. Toxicological Information

Chronic Exposure: Allergic reaction and skin sensitization.

Mutagens: Not expected to be a germ cell mutagen.

Teratogens:

Carcinogens: Tests caused cancer in laboratory animals, but the relevance to humans is uncertain.

No information available if blank.

12. Ecological information

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SARA 311/312 Hazard Class:

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

SARA Reporting Requirements: The following components of this product are subject to the reporting requirements of Sections 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

1,2,4,-Trimethylbenzene

SARA Threshold Planning Quantity: Not applicable.

CERCLA Reportable Quantity (RQ): Not listed

U.S. STATE REGULATIONS:

Rule 66 Status: Not photochemically reactive

INTERNATIONAL REGULATIONS:

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16. Other Information

HMIS Codes:	HEALTH	2
	FIRE	3
	REACTIVITY	1