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Meghan's SUPPLY & DESIGN

11720 Main St, Suite 120
Fredericksburg, VA 22408
540-940-6698
admin@supplyndesign.com

SAFETY DATA SHEET

1. Product Identifier

Product name: BallistiX's Ranger Vinyl Surface Treatment- PART A

PART A

Details of the Manufacturer/Supplier:
Meghan's Supply & Design
11724Main Street, Suite 200
Fredericksburg, Virginia 22408 Phone: 540-840-9568 INFOTRAC: 800-535-5053 www.supplyndesign.com

Product Description: BallistiX's Ranger Vinyl Surface Treatment-InteriorSingle Application for Resilient Vinyl Floors
BallistiX's Ranger Vinyl Surface Treatment is a single application silicon-ceramic coating that forms a continuous barrier across interior vinyl floors. This barrier provides maximum protection, prohibits microbial growth, resists staining and the effects of harsh chemicals. The end result provides a long lasting, glossy shine on the treated surface which eliminates the need for continuous waxing.

Suggested Uses:
Interior vinyl composition tile (VCT), engineered vinyl tile including luxury vinyl tile (LVT) and quartz vinyl tile (QVT), sheet vinyl, vinyl plank, welded seam vinyl and linoleum.

2. Hazard(s) Identification

HMIS RATING:
Health: 1.
Flammability: 3.
Reactivity: 0.

Classification of the Substance/Mixture:FLAMMABLE LIQUID, n.o.s.

SignalWord: WARNING!

Hazard Statement: May cause skin irritation. Harmful if inhaled. May cause respiratory irritation. Will emit vapors of methanol if seal is broken and mixture is exposed to moisture.

Hazard Pictograms:

Precautionary Statements: Keep out of reach of children. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection equipment as required. Use with adequate ventilation. Avoid eye contact. Avoid breathing vapors. Do not take internally.

Hazards Not Otherwise Classified: None known.

3. Composition/Information on Ingredients

Substance/Mixture: Proprietary Mixture.

CAS Number	Wt%	Components	Exposure Limits
67-56-1	<1%	Methyl Alcohol	OSHA TWA 200 ppm, 260 mg/m^3; ACGIH TLV-skin: TWA 200 ppm, STEL 250 ppm
Proprietary Mixture	>98	Alkoxysilanes	None established; guide TWA 50 ppm

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4. First-Aid Measures

Inhalation: Remove to fresh air. Get medical attention if ill effects persist.
Skin Contact: No first aid should be needed. Wash with soap and water.
Eye Contact: Immediately flush with water for 15 minutes.
Ingestion: Get medical attention. If conscious, induce vomiting. Lie down, keep warm and cover eyes to exclude light.
Comments: Treat same as Methyl Alcohol poisoning.

5. Fire-Fighting Measures

Flash Point: 46.9°F (8.3°C).

Extinguishing Medium: Carbon Dioxide (CO_2), Water Fog, Dry Chemical, Foam.

Unsuitable Extinguishing Medium: Water,(closed containers may be cooled).

Fire Hazards: Static electricity may accumulate and ignite vapors. Prevent a possible fire hazard by suitable means, such as bonding, grounding, inert gas purge, vapor dilution and the like. Vapors are heavier than air and can travel along the ground to remote ignition sources.

Unusual Fire Hazards: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Silicon Dioxide, Carbon Dioxide and traces of incompletely burned carbon compounds, Formaldehyde.

Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Heat exposure pressurizes closed containers. Evacuate the area in cases of overheating or fire. Runoff to sewer may create fire or explosion hazard. In case of fire, the following can be released: Carbon Dioxide, Carbon Monoxide (CO), Metal Oxides.

Special Protective Actions for Fire-Fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special Protective Equipment for Fire-Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment as recommended in Section 8.

Methods and Materials for Containment and Clean Up: Disposal of collected product, residues and clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Remove possible ignition sources and if needed, use non-sparking tools and equipment. To prevent possible spontaneous combustion, store rags, mops, absorbent, etc.; used during clean up in appropriate containers covered with water. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as washing with mild, caustic detergents or solutions; or high-pressure steam for large areas. Observe any safety precautions applicable to the cleaning material used.

7. Handling and Storage

Precautions for Safe Handling: No special precautions provided as long as containers are undamaged. Product evolves flammable Methyl Alcohol when exposed to moisture or humid air. Use with adequate ventilation. Avoid eye contact. Avoid breathing vapors. Do not take internally. No eating, drinking, smoking, or hot work in work area.

Precautions for Safe Storage: Keep container closed and stored away from heat, sparks and open flame. Keep container closed and store away from water or moisture.

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8. Exposure Controls/Personal Protection

Exposure Limits:

Components	Exposure Limits
Methyl Alcohol	OSHA TWA 200 ppm, 260 mg/m^3; ACGIH TLV-skin: TWA 200 ppm, STEL 250 ppm
Alkoxysilanes	None established; guide TWA 50 ppm

EngineeringControls: Local ventilation recommended.

Individual Protection Measures:
Eye Protection: OSHA approved safety glasses with side shields at a minimum.
Skin Protection: Washingat mealtime and end of shift, no special protection is needed. Rubber or latex gloves are adequate for preventing skin irritation.
Respiratory Protection: Respiratory protection is not required provided adequate local exhaust ventilation is provided per recommended exposure guidelines. Avoid enclosed spaces for mixing or applying. When needed, use respiratory protection NIOSH ½ face, black cartridge, at a minimum.

Personal Protective Measures: Eye-wash station (bottle) should be within direct access of work area. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical State: Liquid.
Appearance: Clear.
Odor: Strong Odor (Methanol).
pH: Not Applicable (non-aqueous).
Solubility in Water: None.
Boiling Point: >950°F (>350°C).
Specific Gravity: @ 77°F (25°C): 0.95.
VOC Content: 3.52 lbs./gal, 428 g/liter (Components A, B & C mixed).

10. Stability and Reactivity

Reactivity: NA.

Chemical Stability: Stable.

Other:
HazardousPolymerization: Will not occur.
Conditions to Avoid: None.
MaterialstoAvoid: Concentrated nitric and sulfuric acids, strong oxidizers, aldehydes, halogens and halogen compounds.

11. Toxicology Information

Acute Health Effects:
Inhalation: Vapor may irritate nose and throat. Overexposure may cause drowsiness.
Ingestion: Product contains small amounts of Methyl Alcohol which may cause nausea, vomiting, abdominal pain, flushing of the face, hypotension, weakness and loss of consciousness if large amount of product is swallowed.
Skin Contact: Causes skin irritation.
Eye Contact: Causes eye irritation.

Prolonged/Repeated Exposure Effects:
Inhalation: Product generates Methyl Alcohol when exposed to moisture, which may cause blindness and damage to nervous system.
Ingestion: Product generates Methyl Alcohol, which may cause blindness and possibly death, if swallowed.
Skin Contact: May cause irritation, dermatitis.
Eye Contact: May cause irritation; blindness.

Signs and Symptoms of Exposure:
Burning pain in the nose and throat (inhalation), pain, redness and tearing (eye exposure), itching or burning (skin exposure).

Special Hazards:
Carcinogens: None known.
Mutagens: None known.
Teratogens: None known.
Reproductive Toxins: None known.
Sensitizers: When heated to temperatures above 302°F (150°C.), in the presence of air, product can form formaldehyde vapors (formaldehyde is a potential cancer hazard; a known skin and respiratory sensitizer and an irritant to the eyes, nose, throat, skin).

12. Ecological Information

Persistence and Degradability: Readily degradable. Main organic decomposition product (n-Butanol) is readily biodegradable; No persistence potential (OECD Guideline 111).

Bio Accumulative Potential: No potential for bioaccumulation (OECD Guideline 111).

Mobility in Soil: High mobility in soil based on high water solubility and estimated Koc 3.471 L/kg of degradation product n-Butanol.

Results of PBT and vPvB Assessment:
PBT: The substance is not PBT.
vPvB: The substance is not vPvB.

13. Disposal Considerations

Disposal Methods: Disposal of collected product, residues and clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Remove possible ignition sources and if needed, use non-sparking tools and equipment. To prevent possible spontaneous combustion, store rags, mops, absorbent, etc.; used during clean up in appropriate containers covered with water. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as washing with mild, caustic detergents or solutions, or high-pressure steam for large areas. Observe any safety precautions applicable to the cleaning material used.

RCRA Hazard Class (40 CFR 261):
When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes.

Characteristic Waste:
Ignitable: D001.
Observe all State or Local Laws pertaining to this class. Local laws may impose additional requirements.
Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned Packaging:
Recommendation: Disposal must be made according to official regulations.

AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITIONAS DESCRIBED IN SDS SECTION 8.

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14. Transport Information

UN Number: UN1993.
UN Proper Shipping Name: METHOXYSILANE/METHANOL.
Transport Hazard Class: 3.
Packing Group: II.
Environmental Hazard Name: FLAMMABLE LIQUID, n.o.s.
DOT Information: (49 CFR 172.1 01)

15. Regulatory Information

EPA SARA Title III Chemical Listings:
Section 304 CERCLA Extremely Hazardous Substance: None

Section 304 CERCLA Hazardous Substances:

CAS Number	Wt%	Component Name
67-56-1	<1%	Methyl Alcohol

Section 312 Hazard Class:
Fire: Yes.
Sudden Release of Pressure: No.
Reactive: No.
Acute Health: Yes.
Chronic Health: Yes.

Section 313 Toxic Chemicals:

CAS Number	Wt%	Component Name
67-56-1	<1%	Methyl Alcohol

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SAFETY DATA SHEET

1. Product Identifier

Product name: BallistiX's Ranger Vinyl Surface Treatment- PART B

PART B

Details of the Manufacturer/Supplier:
Meghan's Supply & Design
11724Main Street, Suite 200
Fredericksburg, Virginia 22408 Phone: 540-840-9568 INFOTRAC: 800-535-5053 www.supplyndesign.com

Product Description: BallistiX's Ranger Vinyl Surface Treatment-InteriorSingle Application for Resilient Vinyl Floors
BallistiX's Ranger Vinyl Surface Treatment is a single application silicon-ceramic coating that forms a continuous barrier across interior vinyl floors. This barrier provides maximum protection, prohibits microbial growth, resists staining and the effects of harsh chemicals. The end result provides a long lasting, glossy shine on the treated surface which eliminates the need for continuous waxing.

Suggested Uses:
Interior vinyl composition tile (VCT), engineered vinyl tile including luxury vinyl tile (LVT) and quartz vinyl tile (QVT), sheet vinyl, vinyl plank, welded seam vinyl and linoleum.

2. Hazard(s) Identification

HMIS RATING:
Health: 0.
Flammability: 0.
Reactivity: 0.

Classification of the Substance/Mixture:NON-FLAMMABLE LIQUID.

SignalWord: WARNING!

Hazard Statement: Product is non-hazardous. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Hazard Pictograms:

Precautionary Statements: Keep out of reach of children. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection equipment as required. Use with adequate ventilation. Avoid eye contact. Avoid breathing vapors. Do not take internally.

Hazards Not Otherwise Classified: None known.

3. Composition/Information on Ingredients

Substance/Mixture: Proprietary Mixture.

CAS Number	Wt%	Components	Exposure Limits
64-19-7	<5%	Proprietary Acetic Mixture	TWA 10 ppm, (25 mg/m^3) ST 15 ppm

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4. First-Aid Measures

Inhalation: Remove to fresh air.
Skin Contact: No first aid should be needed. Wash with soap and water.
Eye Contact: Immediately flush with water for 15 minutes.
Ingestion: N/A.

5. Fire-Fighting Measures

Flash Point: Not flammable.

Extinguishing Medium: Use medium suitable for the surrounding area.

Unsuitable Extinguishing Medium: None.

Unusual Fire Hazards: None.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment as recommended in Section 8.

Methods and Materials for Containment and Clean Up: Not applicable; product is non-hazardous. Check local regulations for proper disposal of dilute organic acids.

7. Handling and Storage

Precautions for Safe Handling: No special precautions.

Precautions for Safe Storage: Do not freeze.

8. Exposure Controls/Personal Protection

Exposure Limits:

Components	Exposure Limits
Proprietary Acetic Mixture	TWA 10 ppm, (25 mg/m^3) ST 15 ppm

Engineering Controls: Local ventilation recommended.

Individual Protection Measures:
Eye Protection: OSHA approved safety glasses with side shields at a minimum.
Skin Protection: Washingat mealtime and end of shift, no special protection is needed. Rubber or latex gloves are adequate for preventing skin irritation.
Respiratory Protection: Respiratory protection is not required.

Personal Protective Measures: Eye-wash station (bottle) should be within direct access of work area. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical State: Liquid.
Appearance: Clear.
Odor: Mild odor of vinegar.
pH: 4-6.
Solubility in water: Complete.
Boiling Point: Not determined.
Specific Gravity: @ 77°F (25°C): Not determined.
VOC Content: 3.52 lbs./gal, 428 g/liter (Components A, B & C mixed).

10. Stability and Reactivity

Reactivity: NA.

Chemical Stability: Stable.

Other:
HazardousPolymerization: Will not occur.
Conditions to Avoid: None.
Materials to Avoid: None.

11. Toxicological Information

Acute Health Effects:
Inhalation: Vapor may irritate nose and throat.
Ingestion: None.
Skin Contact: Causes skin irritation.
Eye Contact: Causes eye irritation.

Signs and Symptoms of Exposure:
Burning pain in the nose and throat (inhalation), pain, redness and tearing (eye exposure), itching or burning (skin exposure).

Special Hazards:
Carcinogens: None known.
Mutagens: None known.
Teratogens: None known.
Reproductive Toxins: None known.

12. Ecological Information

Not Applicable.

13. Disposal Considerations

DisposalMethods: Not applicable; product is non-hazardous. Check local regulations for proper disposal of dilute organic acids.

RCRA HazardClass (40CFR 261): N/A (not regulated).
State or local laws may impose additional regulatory requirements regarding disposal.

AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT

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AS SHIPPED IN ITS INTENDED CONDITIONAS DESCRIBED IN SDS SECTION 8.

14. Transport Information

UN Number: N/A (not regulated).
UN Proper Shipping Name: N/A (not regulated).
Transport Hazard Class: N/A (not regulated).
Packing Group: N/A (not regulated).
Environmental Hazard Name: N/A (not regulated).
DOT Information: (49 CFR 172.101).

15. Regulatory Information

EPA SARA Title III Chemical Listings:
Section 304 CERCLA Extremely Hazardous Substance: None.

Section 304 CERCLA Hazardous Substances: None.

SECTION 312 Hazard Class:
Fire: No.
Sudden Release of Pressure: No.
Reactive: No.
Acute Health: No.
Chronic Health: No.

Section 313 Toxic Chemicals: None.

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SAFETY DATA SHEET

1. Product Identifier

Product name: BallistiX's Ranger Vinyl Surface Treatment- PART C

PART C

Details of the Manufacturer/Supplier:
Meghan's Supply & Design
11724Main Street, Suite 200
Fredericksburg, Virginia 22408 Phone: 540-840-9568 INFOTRAC: 800-535-5053 www.supplyndesign.com

Product Description: BallistiX's Ranger Vinyl Surface Treatment-InteriorSingle Application for Resilient Vinyl Floors
BallistiX's Ranger Vinyl Surface Treatment is a single application silicon-ceramic coating that forms a continuous barrier across interior vinyl floors. This barrier provides maximum protection, prohibits microbial growth, resists staining and the effects of harsh chemicals. The end result provides a long lasting, glossy shine on the treated surface which eliminates the need for continuous waxing.

Suggested Uses:
Interior vinyl composition tile (VCT), engineered vinyl tile including luxury vinyl tile (LVT) and quartz vinyl tile (QVT), sheet vinyl, vinyl plank, welded seam vinyl and linoleum.

2. Hazard(s) Identification

HMIS RATING:
Health: 1.
Flammability: 3.
Reactivity: 0.

Classification of the Substance/Mixture:FLAMMABLE LIQUID, n.o.s.

SignalWord: WARNING!

Hazard Statement: May cause skin irritation. Harmful if inhaled. May cause respiratory irritation. Will emit vapors of Methanol if seal is broken and mixture is exposed to moisture.

Hazard Pictograms:

Precautionary Statements: Keep out of reach of children. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection equipment as required. Use with adequate ventilation. Avoid eye contact. Avoid breathing vapors. Do not take internally.

Hazards Not Otherwise Classified: None known.

3. Composition/Information on Ingredients

Substance/Mixture: Proprietary Mixture.

CAS Number	Wt%	Components	Exposure Limits
67-56-1	<33%	Dimethyl Carbinol	TWA 400 ppm, STEL 500 ppm
001569-01-3	<66%	Propylene glycol n-propyl ether	None established; guide TWA 50 ppm
Proprietary Mixture	<5%	Alkoxysilanes	None established; guide TWA 50 ppm

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4. First-Aid Measures

Inhalation: Remove to fresh air. Get medical attention if ill effects persist.
Skin Contact: No first aid should be needed. Wash with soap and water.
Eye Contact: Immediately flush with water for 15 minutes.
Ingestion: Get medical attention. If conscious, induce vomiting. Lie down, keep warm and cover eyes to exclude light.
Comments: Treat same as Methyl Alcohol poisoning.

5. Fire-Fighting Measures

Flash Point: 53.0°F (12.0°C).

Extinguishing Medium: Carbon Dioxide (CO_2), Water Fog, Dry Chemical.

Unsuitable Extinguishing Medium: Water,(closed containers may be cooled).

Fire Hazards: Static electricity may accumulate and ignite vapors. Prevent a possible fire hazard by suitable means, such as bonding and grounding, inert gas purge, vapor dilution and the like. Vapors are heavier than air and can travel along the ground to remote ignition sources.

Unusual Fire Hazards: None.

Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate the area in cases of overheating or fire.

Flammable Limits in Air: LEL: 2.0% UEL (200°F): 12.7% Volume percent.

Incompatibility: (Materials to avoid): heat, sparks, open flame.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment as recommended in Section 8.

Methods and Materials for Containment and Clean Up: Disposal of collected product, residues and clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Remove possible ignition sources and if needed, use non-sparking tools and equipment. To prevent possible spontaneous combustion, store rags, mops, absorbent, etc.; used during clean up in appropriate containers covered with water. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as washing with mild, caustic detergents or solutions; or high-pressure steam for large areas. Observe any safety precautions applicable to the cleaning material used.

7. Handling and Storage

Precautions for Safe Handling: No special precautions as long as containers are undamaged. Product evolves flammable Methyl Alcohol when exposed to moisture or humid air. Use with adequate ventilation. Avoid eye contact. Avoid breathing vapors. Do not take internally. No eating, drinking, smoking, or hot work in area.

Precautions for Safe Storage: Keep container closed and stored away from heat, sparks and open flame. Keep container closed and stored away from moisture or water.

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8. Exposure Controls/Personal Protection

Exposure Limits:

Components	Exposure Limits
Dimethyl Carbinol	TWA 400 ppm, STEL 500 ppm
Propylene glycol n-propyl ether	None established; guide TWA 50 ppm
Alkoxysilanes	None established; guide TWA 50 ppm

EngineeringControls: Local ventilation recommended.

Individual Protection Measures:
Eye Protection: OSHA approved safety glasses with side shields at a minimum.
Skin Protection: Washingat mealtime and end of shift, no special protection is needed. Rubber or latex gloves are adequate for preventing skin irritation.
Respiratory Protection: Respiratory protection is not required provided adequate local exhaust ventilation is provided per recommended exposure guidelines. Avoid enclosed spaces for mixing or applying. When needed, use respiratory protection NIOSH ½ face, black cartridge, at a minimum.

Personal ProtectiveMeasures: Eye-wash station (bottle) should be within direct access of work area. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical State: Liquid.
Appearance: Clear.
Odor: Strong Odor (rubbing alcohol).
pH: Not Applicable (non-aqueous).
Solubility in Water: Complete.
Boiling Point: Miscible blend, approximately 1810°F (830°C).
Specific Gravity: @ 77°F (25°C): 0.85.
VOC Content: 3.52 lbs./gal, 428 g/liter (Components A, B & C mixed).

10. Stability and Reactivity

Reactivity: NA.

Chemical Stability: Stable.

Other:
HazardousPolymerization: Will not occur.
Conditions to Avoid: None.
Materials to Avoid: Oxidizing material can cause a reaction; acetaldehyde, chlorine, ethylene oxide, acids, isocyanates.

11. Toxicological Information

Acute Health Effects:
Inhalation: Vapor may irritate nose and throat. Overexposure may cause drowsiness.
Ingestion: Product contains small amounts of Methyl Alcohol which may cause nausea, vomiting, abdominal pain, flushing of the face, hypotension, weakness and loss of consciousness if large amount of product is swallowed.
Skin Contact: Causes skin irritation.
Eye Contact: Causes eye irritation.

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Prolonged/Repeated Exposure Effects:
Inhalation: Product generates Methyl Alcohol when exposed to moisture, which may cause blindness and damage to nervous system.
Ingestion: Product generates Methyl Alcohol, which may cause blindness and possibly death, if swallowed.
Skin Contact: May cause irritation, dermatitis.
Eye Contact: May cause irritation; blindness.

Signs and Symptoms of Exposure:
Burning pain in the nose and throat (inhalation), pain, redness and tearing (eye exposure), itching or burning (skin exposure).

Special Hazards:
Carcinogens: None known.
Mutagens: None known.
Teratogens: None known.
Reproductive Toxins: None known.
Sensitizers: None known.

12. Ecological Information

Not Applicable.

13. Disposal Considerations

Disposal Methods: Disposal of collected product, residues and clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Remove possible ignition sources and if needed, use non-sparking tools and equipment. To prevent possible spontaneous combustion, store rags, mops, absorbent, etc.; used during clean up in appropriate containers covered with water. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as washing with mild, caustic detergents or solutions, or high-pressure steam for large areas. Observe any safety precautions applicable to the cleaning material used.

RCRA Hazard Class (40 CFR 261):
When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes.

Characteristic Waste:
Ignitable: D001.
Observe all State or Local Laws pertaining to this class. Local laws may impose additional requirements.
Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned Packaging:
Recommendation: Disposal must be made according to official regulations.

AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION 8.

14. Transport Information

UN Number: UN 1993.
UN Proper Shipping Name: Methoxy-Silane/Alcohol.
Transport Hazard Class: 3.
Packing Group: II.
Environmental Hazard Name: FLAMMABLE LIQUID, n.o.s.
DOT Information: (49 CFR 172.101).

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15. Regulatory Information

EPA SARA Title III Chemical Listings:
Section 304 CERCLA Extremely Hazardous Substance: None

Section 304 CERCLA Hazardous Substances:

CAS Number	Wt%	Component Name	
67-56-1	2%	Methyl Alcohol	5000.00 lb. rq.

Section 312 Hazard Class:
Fire: Yes.
Sudden Release of Pressure: No.
Reactive: No.
Acute Health: Yes.
Chronic Health: Yes.

Section 313 Toxic Chemicals:

CAS Number	Wt%	Component Name
67-56-1	2%	Methyl Alcohol

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SAFETY DATA SHEET

1. Product Identifier

Product name: BallistiX's Ranger Vinyl Surface Treatment- PART D

PART D

Details of the Manufacturer/Supplier:
Meghan's Supply & Design
11724Main Street, Suite 200
Fredericksburg, Virginia 22408 Phone: 540-840-9568 INFOTRAC: 800-535-5053 www.supplyndesign.com

Product Description: BallistiX's Ranger Vinyl Surface Treatment-InteriorSingle Application for Resilient Vinyl Floors
BallistiX's Ranger Vinyl Surface Treatment is a single application silicon-ceramic coating that forms a continuous barrier across interior vinyl floors. This barrier provides maximum protection, prohibits microbial growth, resists staining and the effects of harsh chemicals. The end result provides a long lasting, glossy shine on the treated surface which eliminates the need for continuous waxing.

Suggested Uses:
Interior vinyl composition tile (VCT), engineered vinyl tile including luxury vinyl tile (LVT) and quartz vinyl tile (QVT), sheet vinyl, vinyl plank, welded seam vinyl and linoleum.

2. Hazard(s) Identification

HMIS RATING:
Health: 1.
Flammability: 3.
Reactivity: 0.

Classification of the Substance/Mixture:FLAMMABLE LIQUID, n.o.s.

SignalWord: WARNING!

Hazard Statement: May cause skin irritation. Harmful if inhaled. May cause respiratory irritation. Will emit vapors of Methanol if seal is broken and mixture is exposed to moisture.

Hazard Pictograms:

Precautionary Statements: Keep out of reach of children. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection equipment as required. Use with adequate ventilation. Avoid eye contact. Avoid breathing vapors. Do not take internally.

Hazards Not Otherwise Classified: None known.

3. Composition/Information on Ingredients

Substance/Mixture: Proprietary Mixture.

CAS Number	Wt%	Components	Exposure Limits
67-63-0	>50%	Isopropyl Alcohol	TWA 400 ppm, STEL 500 ppm
001569-01-3	<50%	Propylene glycol n-propyl ether	None established; guide TWA 50 ppm

BallistiX
Bulletproof at the squeeze of a trigger
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Meghan's SUPPLY & DESIGN
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4. First-Aid Measures

Inhalation: Remove to fresh air. Get medical attention if ill effects persist.
Skin Contact: No first aid should be needed. Wash with soap and water.
Eye Contact: Immediately flush with water for 15 minutes.
Ingestion: Get medical attention. If conscious, induce vomiting. Lie down, keep warm and cover eyes to exclude light.
Comments: Treat same as Methyl Alcohol poisoning.

5. Fire-Fighting Measures

Flash Point: 53.0°F (12.0°C).

Extinguishing Medium: Carbon Dioxide (CO_2), Water Fog, Dry Chemical.

Unsuitable Extinguishing Medium: Water,(closed containers may be cooled).

Fire Hazards: Static electricity may accumulate and ignite vapors. Prevent a possible fire hazard by suitable means, such as bonding and grounding, inert gas purge, vapor dilution and the like. Vapors are heavier than air and can travel along the ground to remote ignition sources.

Unusual Fire Hazards: None.

Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate the area in cases of overheating or fire.

Flammable Limits in Air: LEL: 2.0% UEL (200°F): 12.7% Volume percent.

Incompatibility: (Materials to avoid): heat, sparks, open flame.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment as recommended in Section 8.

Methods and Materials for Containment and Clean Up: Disposal of collected product, residues and clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Remove possible ignition sources and if needed, use non-sparking tools and equipment. To prevent possible spontaneous combustion, store rags, mops, absorbent, etc.; used during clean up in appropriate containers covered with water. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as washing with mild, caustic detergents or solutions; or high-pressure steam for large areas. Observe any safety precautions applicable to the cleaning material used.

7. Handling and Storage

Precautions for Safe Handling: No special precautions as long as containers are undamaged. Product evolves flammable Methyl Alcohol when exposed to moisture or humid air. Use with adequate ventilation. Avoid eye contact. Avoid breathing vapors. Do not take internally. No eating, drinking, smoking, or hot work in area.

Precautions for Safe Storage: Keep container closed and stored away from heat, sparks and open flame. Keep container closed and stored away from moisture or water.

8. Exposure Controls/Personal Protection

Exposure Limits:

Components	Exposure Limits
Isopropyl Alcohol	TWA 400 ppm, STEL 500 ppm
Propylene glycol n-propyl ether	None established; guide TWA 50 ppm

EngineeringControls: Local ventilation recommended.

Individual Protection Measures:
Eye Protection: OSHA approved safety glasses with side shields at a minimum.
Skin Protection: Washingat mealtime and end of shift, no special protection is needed. Rubber or latex gloves are adequate for preventing skin irritation.
Respiratory Protection: Respiratory protection is not required provided adequate local exhaust ventilation is provided per recommended exposure guidelines. Avoid enclosed spaces for mixing or applying. When needed, use respiratory protection NIOSH ½ face, black cartridge, at a minimum.

Personal ProtectiveMeasures: Eye-wash station (bottle) should be within direct access of work area. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical State: Liquid.
Appearance: Clear.
Odor: Strong Odor (rubbing alcohol).
pH: Not Applicable (non-aqueous).
Solubility in Water: Complete.
Boiling Point: Miscible blend, approximately 1810°F (830°C).
Specific Gravity: @ 77°F (25°C): 0.85.
VOC Content: 3.52 lbs./gal, 428 g/liter (Components A, B & C mixed).

10. Stability and Reactivity

Reactivity: NA.

Chemical Stability: Stable.

Other:
HazardousPolymerization: Will not occur.
Conditions to Avoid: None.
MaterialstoAvoid: Oxidizing material can cause a reaction; acetaldehyde, chlorine, ethylene oxide, acids, isocyanates.

11. Toxicological Information

Acute Health Effects:
Inhalation: Vapor may irritate nose and throat. Overexposure may cause drowsiness.
Ingestion: Product contains small amounts of Methyl Alcohol which may cause nausea, vomiting, abdominal pain, flushing of the face, hypotension, weakness and loss of consciousness if large amount of product is swallowed.
Skin Contact: Causes skin irritation.
Eye Contact: Causes eye irritation.

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Prolonged/Repeated Exposure Effects:
Inhalation: Product generates Methyl Alcohol when exposed to moisture, which may cause blindness and damage to nervous system.
Ingestion: Product generates Methyl Alcohol, which may cause blindness and possibly death, if swallowed.
Skin Contact: May cause irritation, dermatitis.
Eye Contact: May cause irritation; blindness.

Signs and Symptoms of Exposure:
Burning pain in the nose and throat (inhalation), pain, redness and tearing (eye exposure), itching or burning (skin exposure).

Special Hazards:
Carcinogens: None known.
Mutagens: None known.
Teratogens: None known.
Reproductive Toxins: None known.
Sensitizers: None known.

12. Ecological Information

Not Applicable.

13. Disposal Considerations

Disposal Methods: Disposal of collected product, residues and clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations. Remove possible ignition sources and if needed, use non-sparking tools and equipment. To prevent possible spontaneous combustion, store rags, mops, absorbent, etc.; used during clean up in appropriate containers covered with water. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Clean any remaining slippery surfaces by appropriate techniques, such as washing with mild, caustic detergents or solutions, or high-pressure steam for large areas. Observe any safety precautions applicable to the cleaning material used.

RCRA Hazard Class (40 CFR 261):
When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes.

Characteristic Waste:
Ignitable: D001.
Observe all State or Local Laws pertaining to this class. Local laws may impose additional requirements.
Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned Packaging:
Recommendation: Disposal must be made according to official regulations.

AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION 8.

14. Transport Information

UN Number: UN 1993.
UN Proper Shipping Name: Methoxy-Silane/Alcohol.
Transport Hazard Class: 3.
Packing Group: II.
Environmental Hazard Name: FLAMMABLE LIQUID, n.o.s.
DOT Information: (49 CFR 172.101).

15. Regulatory Information

EPA SARA Title III Chemical Listings:
Section 304 CERCLA Extremely Hazardous Substance: None

Section 304 CERCLA Hazardous Substances:

CAS Number	Wt%	Component Name	
67-56-1	2%	Methyl Alcohol	5000.00 lb. rq.

Section 312 Hazard Class:
Fire: Yes.
Sudden Release of Pressure: No.
Reactive: No.
Acute Health: Yes.
Chronic Health: Yes.

Section 313 Toxic Chemicals:

CAS Number	Wt%	Component Name
67-56-1	2%	Methyl Alcohol