

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Wounds – Pressure Ulcers, Incisions, Suture practice Pads		[WHMIS Classification] None	
Product Use Wounds for medical simulation training			
Manufacturer's Name train4REAL LLC		Supplier's Name	
Street Address 128 College Park		Street Address	
City Monroeville	Province PA	City	Province
Postal Code 15146	Emergency Telephone 724-757-2774	Postal Code	Emergency Telephone
Date MSDS Prepared 12/24/2014		MSDS Prepared By John Matechen	Phone Number 724-757-2774

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
NONE				
Not hazardous according to US OSHA Hazard Communication Standard 29 CFR 1910.1200	100			

☐ Skin Contact☐ Skin Absorption☐ Eye Contact☐ Inhalation

Ingestion

None

Route of Entry

[Emergency Overview]

S Symbols] **N/A**

Potential Health Effects **Non Known**

SECTION 3 — HAZARDS IDENTIFICATION

SECTION 4 — FIRST AID MEASURES

Skin Contact

NONE

Eye Contact

NONE

Inhalation

NONE

Ingestion



NONE

SAMPLE FORMAT PROVIDED BY THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA

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Please continue on reverse side

SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes	NO <input checked="" type="checkbox"/> X	If yes, under which conditions? NONE	
Means of Extinction NONE			
Flashpoint (° C) and Method NON FLAMABLE		Upper Flammable Limit (% by volume) N/A	Lower Flammable Limit (% by volume) N/A
Autoignition Temperature (°C) N/A		Explosion Data — Sensitivity to Impact NONE	Explosion Data — Sensitivity to Static Discharge NONE
Hazardous Combustion Products NONE			
[NFPA] N/A			

Leak and Spill Procedures
NONE

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Handling Procedures and Equipment
NONE REQUIRED
Storage Requirements
Store in clean dry area

SECTION 7 — HANDLING AND STORAGE

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits NONE <input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (<i>specify</i>)
Specific Engineering Controls (<i>such as ventilation, enclosed process</i>) None required		
Personal Protective Equipment	<input type="checkbox"/> Gloves	<input type="checkbox"/> Respirator
<input type="checkbox"/> Eye	<input type="checkbox"/> Footwear	<input type="checkbox"/> Clothing
<input type="checkbox"/> Other		
None required		
If checked, please specify type		

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Cured Silicone - Solid	Odour and Appearance Semi transparent until color applied	Odour Threshold (ppm) NONE
Specific Gravity 1.5 Appx	Vapour Density (air = 1) N/A	Vapour Pressure (mmHg) N/A
Evaporation Rate NONE	Boiling Point (° C) NONE	Freezing Point (° C) N/A
pH	Coefficient of Water/Oil Distribution	[Solubility in Water]

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?

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Reactivity, and under what conditions?	N/A
Hazardous Decomposition Products	N/A

SECTION 11 — TOXICOLOGICAL INFORMATION

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Effects of Acute Exposure		NONE	
Effects of chronic exposure		N/A	
Irritancy of Product		None Known	
Skin sensitization		None Known	Respiratory sensitization
Carcinogenicity-IARC		None Known	Carcinogenicity - ACGIH
Reproductive toxicity		None Known	Teratogenicity
Embrototoxicity		None Known	Mutagenicity

Name of synergistic products/effects	None Known
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SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]	None Known
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SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal	Recycle or Landfill
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SECTION 14 — TRANSPORT INFORMATION

SECTION 15 — REGULATORY INFORMATION

Special Shipping Information	Ship in standard packaging materials. No special handling required		
			PIN
TDG	[DOT]		
[IMO]	[ICAO]		

[WHMIS Classification]	N/A	[OSHA]	N/A
[SERA]	N/A	[TSCA]	N/A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16 — OTHER INFORMATION

These products are delivered as solid/cured silicone components. They are inert, non-toxic, and non flammable. The only potential hazard is via choking, however non of the products are designed for use orally.

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Stage Blood (liquid)		[WHMIS Classification] NONE - Water Based	
Product Use Blood oozing from wounds for medical simulation training			
Manufacturer's Name train4REAL LLC		Supplier's Name	
Street Address 128 College Park		Street Address	
City Monroeville	Province PA	City	Province
Postal Code 15146	Emergency Telephone 724-757-2774	Postal Code	Emergency Telephone
Date MSDS Prepared 12/24/2014	MSDS Prepared By John Matechen	Phone Number 724-757-2774	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
NONE				
Not hazardous according to US OSHA Hazard Communication Standard 29 CFR 1910.1200	100			

☐ Skin Contact

☐ Skin Absorption

☐ Eye Contact

☐ Inhalation

☐ Ingestion

None

Route of Entry

[Emergency Overview]

S Symbols] **N/A**

Potential Health Effects **None Known**

SECTION 3 — HAZARDS IDENTIFICATION

SECTION 4 — FIRST AID MEASURES

Skin Contact

Non Toxic. Wash with warm water and mild soap.

Eye Contact

Non Toxic. Flush with copious amounts of water

Inhalation

NONE

Ingestion



NONE

SAMPLE FORMAT PROVIDED BY THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA

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SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes	NO <input checked="" type="checkbox"/> X	If yes, under which conditions? NONE	
Means of Extinction NONE			
Flashpoint (° C) and Method NON FLAMABLE	Upper Flammable Limit (% by volume) N/A	Lower Flammable Limit (% by volume) N/A	
Autoignition Temperature (°C) N/A	Explosion Data — Sensitivity to Impact NONE	Explosion Data — Sensitivity to Static Discharge NONE	
Hazardous Combustion Products NONE			
[NFPA] N/A			

Leak and Spill Procedures
NONE – Clean with soap and water

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Handling Procedures and Equipment
NONE REQUIRED
Storage Requirements
Store in clean dry area. May dry out over time if left outside of container

SECTION 7 — HANDLING AND STORAGE

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits NONE <input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process) None required		
Personal Protective Equipment	<input type="checkbox"/> Gloves	<input type="checkbox"/> Respirator
None required	<input type="checkbox"/> Eye	<input type="checkbox"/> Footwear
If checked, please specify type	<input type="checkbox"/> Clothing	<input type="checkbox"/> Other

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odour and Appearance Dark Red, Sweet Smell	Odour Threshold (ppm) N/A
Specific Gravity 1 Appx	Vapour Density (air = 1) N/A	Vapour Pressure (mmHg) N/A
Evaporation Rate NONE	Boiling Point (° C) Above 120 degrees	Freezing Point (° C) Below 32 degrees
PH N/A	Coefficient of Water/Oil Distribution 50/50	[Solubility in Water] YES

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?

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Reactivity, and under what conditions?	N/A
Hazardous Decomposition Products	N/A

SECTION 11 — TOXICOLOGICAL INFORMATION

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Effects of Acute Exposure	NONE
Effects of chronic exposure	N/A
Irritancy of Product	None Known
Skin sensitization	None Known
Respiratory sensitization	None Known
Carcinogenicity-IARC	None Known
Carcinogenicity - ACGIH	None Known
Reproductive toxicity	None Known
Teratogenicity	None Known
Embrototoxicity	None Known
Mutagenicity	None Known

Name of synergistic products/effects	None Known
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SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]	None Known
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SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal	Recycle or Landfill
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SECTION 14 — TRANSPORT INFORMATION

SECTION 15 — REGULATORY INFORMATION

Special Shipping Information	Ship in standard packaging materials. No special handling required		
			PIN
TDG	[DOT]		
[IMO]	[ICAO]		

[WHMIS Classification]	N/A	[OSHA]	N/A
[SERA]	N/A	[TSCA]	N/A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16 — OTHER INFORMATION

These products are delivered as solid/cured silicone components. They are inert, non-toxic, and non flammable. The only potential hazard is via choking, however non of the products are designed for use orally.

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier PUS		[WHMIS Classification] NONE - Water Based	
Product Use PUS oozing from wounds for medical simulation training			
Manufacturer's Name train4REAL LLC		Supplier's Name	
Street Address 128 College Park		Street Address	
City Monroeville	Province PA	City	Province
Postal Code 15146	Emergency Telephone 724-757-2774	Postal Code	Emergency Telephone
Date MSDS Prepared 12/24/2014	MSDS Prepared By John Matechen	Phone Number 724-757-2774	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
NONE				
Not hazardous according to US OSHA Hazard Communication Standard 29 CFR 1910.1200	100			

☐ Skin Contact

☐ Skin Absorption

☐ Eye Contact

☐ Inhalation

☐ Ingestion

None

Route of Entry

[Emergency Overview]

S Symbols] **N/A**

Potential Health Effects **None Known**

SECTION 3 — HAZARDS IDENTIFICATION

SECTION 4 — FIRST AID MEASURES

Skin Contact

NONE. Wash with warm water and soap

Eye Contact

NONE. Flush with water

Inhalation

NONE

Ingestion



NONE

SAMPLE FORMAT PROVIDED BY THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA

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Please continue on reverse side

SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes	NO <input checked="" type="checkbox"/> X	If yes, under which conditions? NONE	
Means of Extinction NONE			
Flashpoint (° C) and Method NON FLAMABLE	Upper Flammable Limit (% by volume) N/A	Lower Flammable Limit (% by volume) N/A	
Autoignition Temperature (°C) N/A	Explosion Data — Sensitivity to Impact NONE	Explosion Data — Sensitivity to Static Discharge NONE	
Hazardous Combustion Products NONE			
[NFPA] N/A			

Leak and Spill Procedures
NONE

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Handling Procedures and Equipment
NONE REQUIRED
Storage Requirements
Store in clean dry area. May dry out over time if left outside of container

SECTION 7 — HANDLING AND STORAGE

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits NONE <input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process) None required		
Personal Protective Equipment	<input type="checkbox"/> Gloves	<input type="checkbox"/> Respirator
<input type="checkbox"/> Eye	<input type="checkbox"/> Footwear	<input type="checkbox"/> Clothing
<input type="checkbox"/> Other		
None required		
If checked, please specify type		

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odour and Appearance Pale yellow, Very Slight Sweet smell	Odour Threshold (ppm) N/A
Specific Gravity 1 Appx	Vapour Density (air = 1) N/A	Vapour Pressure (mmHg) N/A
Evaporation Rate NONE	Boiling Point (° C) NONE	Freezing Point (° C) N/A
PH N/A	Coefficient of Water/Oil Distribution 50/50	[Solubility in Water] YES

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?

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Reactivity, and under what conditions?	N/A
Hazardous Decomposition Products	N/A

SECTION 11 — TOXICOLOGICAL INFORMATION

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Effects of Acute Exposure	NONE
Effects of chronic exposure	N/A
Irritancy of Product	None Known
Skin sensitization	None Known
Respiratory sensitization	None Known
Carcinogenicity-IARC	None Known
Carcinogenicity - ACGIH	None Known
Reproductive toxicity	None Known
Teratogenicity	None Known
Embrototoxicity	None Known
Mutagenicity	None Known

Name of synergistic products/effects	None Known
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SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]	None Known
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SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal	Recycle or Landfill
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SECTION 14 — TRANSPORT INFORMATION

SECTION 15 — REGULATORY INFORMATION

Special Shipping Information	Ship in standard packaging materials. No special handling required		
			PIN
TDG	[DOT]		
[IMO]	[ICAO]		

[WHMIS Classification]	N/A	[OSHA]	N/A
[SERA]	N/A	[TSCA]	N/A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16 — OTHER INFORMATION

These products are delivered as solid/cured silicone components. They are inert, non-toxic, and non flammable. The only potential hazard is via choking, however non of the products are designed for use orally.

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Blood Powder				[WHMIS Classification] Non Hazardous	
Product Use Dissolve in water based liquids to create blood effects oozing from wounds for medical simulation training					
Manufacturer's Name train4REAL LLC			Supplier's Name		
Street Address 128 College Park			Street Address		
City Monroeville		Province PA	City		Province
Postal Code 15146	Emergency Telephone 724-757-2774		Postal Code		Emergency Telephone
Date MSDS Prepared 12/24/2014		MSDS Prepared By John Matechen		Phone Number 724-757-2774	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
NONE				
Not hazardous according to US OSHA Hazard Communication Standard 29 CFR 1910.1200	100			

☐ Skin Contact

☐ Skin Absorption

☐ Eye Contact

☐ Inhalation

☐ Ingestion

None

Route of Entry

[Emergency Overview]

S Symbols] **N/A**

Potential Health Effects **None Known**

SECTION 3 — HAZARDS IDENTIFICATION

SECTION 4 — FIRST AID MEASURES

Skin Contact

Non Toxic. Wash with warm water and mild soap.

Eye Contact

Non Toxic. Flush with copious amounts of water

Inhalation

Remove to fresh air immediately – contact physician if necessary

Ingestion



Drink plenty of water. Contact a physician if necessary

SAMPLE FORMAT PROVIDED BY THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA

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Please continue on reverse side

SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes	NO <input checked="" type="checkbox"/> X	If yes, under which conditions? NONE	
Means of Extinction Water, foam, dry chemical, CO2			
Flashpoint (° C) and Method NON FLAMABLE		Upper Flammable Limit (% by volume) N/A	Lower Flammable Limit (% by volume) N/A
Autoignition Temperature (°C) N/A		Explosion Data — Sensitivity to Impact NONE	Explosion Data — Sensitivity to Static Discharge NONE
Hazardous Combustion Products NONE			
[NFPA] N/A			

Leak and Spill Procedures
NONE – Clean with soap and water

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Handling Procedures and Equipment
Handle indoors away from fans that could blow powder into the air
Storage Requirements
Store in clean dry area.

SECTION 7 — HANDLING AND STORAGE

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits NONE <input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (<i>specify</i>)
Specific Engineering Controls (<i>such as ventilation, enclosed process</i>) None required		
Personal Protective Equipment	<input type="checkbox"/> Gloves	<input type="checkbox"/> Respirator
<input type="checkbox"/> Eye	<input type="checkbox"/> Footwear	<input type="checkbox"/> Clothing
<input type="checkbox"/> Other		
None required		
If checked, please specify type		

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odour and Appearance Dark Red, Sweet Smell	Odour Threshold (ppm) N/A
Specific Gravity 1 Appx	Vapour Density (air = 1) N/A	Vapour Pressure (mmHg) N/A
Evaporation Rate NONE	Boiling Point (° C) N/A	Freezing Point (° C) N/A
PH N/A	Coefficient of Water/Oil Distribution N/A	[Solubility in Water] YES

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <div><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</div>	If no, under which conditions?
Incompatibility with Other Substances <div><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div>	If yes, which ones?

Reactivity, and under what conditions?

N/A

Hazardous Decomposition Products

N/A

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure		NONE		
Effects of chronic exposure		N/A		
Irritancy of Product			None Known	
Skin sensitization		None Known	Respiratory sensitization	None Known
Carcinogenicity-IARC		None Known	Carcinogenicity - ACGIH	None Known
Reproductive toxicity		None Known	Teratogenicity	None Known
Embrototoxicity		None Known	Mutagenicity	None Known

Name of synergistic products/effects	None Known
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SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity] None Known

SECTION 13 — DISPOSAL CONSIDERATIONS

Special Shipping Information	Ship in standard packaging materials. No special handling required	
		PIN
TDG	[DOT]	
[IMO]	[ICAO]	

Waste Disposal	Recycle or Landfill
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SECTION 14 — TRANSPORT INFORMATION

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] N/A	[OSHA] N/A
[SERA] N/A	[TSCA] N/A
<i>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.</i>	

SECTION 16 — OTHER INFORMATION

These products are delivered as solid/cured silicone components. They are inert, non-toxic, and non flammable. The only potential hazard is via choking, however non of the products are designed for use orally.

