

**Material Safety Data Sheet****U.S. Department of Labor****43431-1009**

May be used to comply with  
 OSHA's Hazard Communication Standard, 29 CFR 1910.1200  
 Standard must be consulted for specific requirements.

Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved OMB No. 1218-0072

<b>IDENTITY (As Used on Label and List)</b> Fabric Screen Printing Ink (45650-45652, 4560-4692, 47520-47523, 4600-4697)		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
<b>Section I Manufacturer's Name</b> Speedball Art Products, LLC		<b>Emergency Telephone Number</b> 704-838-1475	
<b>Address (Number, Street, City, State, and ZIP Code)</b> 2301 Speedball Road Statesville, NC 28677 USA		<b>Telephone Number for Information</b> 704-838-1475	
<b>Date Prepared:</b> January 2, 2012		<b>Signature of Preparer (optional)</b>	

**Section II – Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s)):	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>VOC: 85-199 grams per litre (.71-1.66 lbs. per gallon)</b>				

Product labeling conforms to ASTM D-4236. Approved for the AP seal as per the Art & Craft Materials Institute, Inc. (ACMI). Note: This product has been certified to be non-toxic. This product has been evaluated by a Toxicologist only as per intended usage. **DO NOT DEVIATE FROM INTENDED USE.**

**Section III - Physical/Chemical Characteristics**

<b>Boiling Point</b>	<b>212°F-369°F</b>	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	<b>1.11-1.57</b>
<b>Vapor Pressure (mm Hg.)</b>	<b>17mmHg</b>	<b>Melting Point</b>	<b>&lt;32°F</b>
<b>Vapor Density (AIR = 1)</b>	<b>Less than 1</b>	<b>Evaporation Rate (Butyl Acetate = 1)</b>	<b>Less than 1</b>
<b>Solubility in Water</b>	<b>Dilutable</b>	<b>Appearance and Odor</b>	<b>High viscosity; acrylic emulsion odor</b>

**Section IV - Fire and Explosion Hazard Data**

<b>Flash Point (Method Used)</b> N/A	<b>Flammable Limits</b> N/A	<b>LEL</b> N/A	<b>UEL</b> N/A
<b>Extinguishing Media</b> N/A			
<b>Special Fire Fighting Procedures</b> Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear.			
<b>Unusual Fire and Explosion Hazards</b> Material can spatter above 212°F. Film can burn.			

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OSHA 174, Sept. 1985

**Section V - Reactivity Data**

Fabric Screen Printing Ink

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Stability	Unstable	Stable ✓	Conditions to Avoid <b>Onset of decomposition is 350°F</b>
Incompatibility ( <i>Materials to Avoid</i> ) N/A			
Hazardous Decomposition or Byproducts <b>Oxides of carbon and nitrogen</b>			
Hazardous Polymerization	May Occur	Will Not Occur ✓	Conditions to Avoid N/A

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation? N/A	Skin? N/A	Ingestion? N/A
Health Hazards ( <i>Acute and Chronic</i> ) N/A			
Carcinogenicity: N/A	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
Signs and Symptoms of Exposure N/A			
Medical Conditions Generally Aggravated by Exposure <b>None known</b>			
Emergency and First Aid Procedures <b>Contact with eyes may cause slight irritation: Flush with water.</b>			

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled <b>Floor may be slippery; use care to avoid falling. Transfer to containers for recovery or disposal. Keep out of municipal sewers and open bodies of water.</b>
Waste Disposal Method <b>Incineration at permitted facility. Observe all Federal, State and local laws concerning health and environment.</b>
Precautions to Be taken in Handling and Storing <b>Keep from freezing-product may coagulate</b>
Other Precautions N/A

**Section VIII - Control Measures**

Respiratory Protection ( <i>Specify Type</i> ) <b>None required with adequate ventilation &amp; normal usage conditions.</b>			
Ventilation	Local Exhaust N/A	Special N/A	
	Mechanical ( <i>General</i> ) N/A	Other N/A	
Protective Gloves <b>Impervious</b>	Eye Protection <b>Safety Glasses or goggles</b>		
Other Protective Clothing or Equipment N/A			
Work/Hygienic Practices <b>Use protective cream where excessive skin contact is likely.</b>			

**Material Safety Data Sheet**

May be used to comply with  
OSHA's Hazard Communication Standard, 29 CFR 1910.1200  
Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved OMB No. 1218-0072

<b>IDENTITY (As Used on Label and List)</b> Diazo Photo Emulsion (component of #4559, 4520, 4523, 4524, 4522 & 4526; 4579)		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
<b>Section I Manufacturer's Name</b> Speedball Art Products, LLC		<b>Emergency Telephone Number</b> 704-838-1475
<b>Address (Number, Street, City, State, and ZIP Code)</b> 2301 Speedball Road Statesville, NC 28677 USA		<b>Telephone Number for Information</b> 704-838-1475
<b>Date Prepared:</b> January 2, 2012		<b>Signature of Preparer (optional)</b>

**Section II – Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s)):	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Ethyl Alcohol (CAS #64-17-5)	N/A	1000ppm	N/A	4%

**This product has been evaluated by a Toxicologist only as per intended usage. DO NOT DEVIATE FROM INTENDED USE.**

**Section III - Physical/Chemical Characteristics**

Boiling Point	212°F	Specific Gravity (H <sub>2</sub> O = 1)	1.1
Vapor Pressure (mm Hg.)	N/A	Melting Point	<32°F
Vapor Density (AIR = 1)	Less than 1	Evaporation Rate (Butyl Acetate = 1)	Less than 1
Solubility in Water	Dilutable	Appearance and Odor	Light Blue with faint odor

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media N/A			
Special Fire Fighting Procedures Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.			
Unusual Fire and Explosion Hazards Material can spatter above 212°F. Film can burn.			

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OSHA 174, Sept. 1985

**Section V - Reactivity Data**

Diazo Photo Emulsion

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Stability	Unstable	Stable ✓	Conditions to Avoid <b>Onset of decomposition is 350°F</b>
Incompatibility (Materials to Avoid) N/A			
Hazardous Decomposition or Byproducts			
Hazardous Polymerization	May Occur	Will Not Occur ✓	Conditions to Avoid N/A

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation? N/A	Skin? N/A	Ingestion? N/A
Health Hazards (Acute and Chronic) N/A			
Carcinogenicity: N/A	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
Signs and Symptoms of Exposure N/A			
Medical Conditions Generally Aggravated by Exposure N/A			
Emergency and First Aid Procedures N/A			

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled <b>Floor may be slippery; use care to avoid falling. Transfer to containers for recovery or disposal. Keep out of municipal sewers and open bodies of water.</b>
Waste Disposal Method <b>Incineration at permitted facility. Observe all Federal, State and local laws concerning health and environment.</b>
Precautions to Be taken in Handling and Storing <b>Keep from freezing-product may coagulate</b>
Other Precautions N/A

**Section VIII - Control Measures**

Respiratory Protection (Specify Type) <b>None required with adequate ventilation &amp; normal usage conditions.</b>			
Ventilation	Local Exhaust <b>Adequate</b>	Special <b>N/A</b>	
	Mechanical (General) <b>N/A</b>	Other <b>N/A</b>	
Protective Gloves <b>Impervious</b>	Eye Protection <b>Safety Glasses or goggles</b>		
Other Protective Clothing or Equipment <b>N/A</b>			
Work/Hygienic Practices <b>Use protective cream where excessive skin contact is likely.</b>			

**Material Safety Data Sheet**

May be used to comply with  
OSHA's Hazard Communication Standard, 29 CFR 1910.1200  
Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved OMB No. 1218-0072

<b>IDENTITY (As Used on Label and List)</b> Diazo Sensitizer (component of #4559, 4520, 4523, 4524, 4522 & 4526; 4578)		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
<b>Section I Manufacturer's Name</b> Speedball Art Products, LLC		<b>Emergency Telephone Number</b> 704-838-1475
<b>Address (Number, Street, City, State, and ZIP Code)</b> 2301 Speedball Road Statesville, NC 28677 USA		<b>Telephone Number for Information</b> 704-838-1475
<b>Date Prepared:</b> January 2, 2012		<b>Signature of Preparer (optional)</b>

**Section II – Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s)):	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Polymethylene-p-Diazo Benzene Dye (CAS #71550-45-3)	N/A	N/A	N/A	N/A
Phosphoric Acid (CAS #7664-38-2)	1 mg/m3	1 mg/m3	N/A	15%

This product has been evaluated by a Toxicologist only as per intended usage. **DO NOT DEVIATE FROM INTENDED USE.**

**Section III - Physical/Chemical Characteristics**

Boiling Point	200°F Decomposition	Specific Gravity (H <sub>2</sub> O = 1)	1.4
Vapor Pressure (mm Hg.)	N/A	Melting Point	<32°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Infinite	Appearance and Odor	Brown paste with no odor

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media N/A			
Special Fire Fighting Procedures If material is within a fire area, CO <sub>2</sub> , water, or dry powder can be used. Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.			
Unusual Fire and Explosion Hazards Material slowly darkens with heat and may exude acidic fumes and nitrogen gas. Wash with water.			

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OSHA 174, Sept. 1985

**Section V - Reactivity Data**

Diazo Sensitizer

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Stability	Unstable	Stable ✓	Conditions to Avoid <b>High temperatures above 200°F</b>
Incompatibility ( <i>Materials to Avoid</i> ) <b>Caustic materials</b>			
Hazardous Decomposition or Byproducts <b>Nitrogen, water vapor &amp; acid fumes</b>			
Hazardous Polymerization	May Occur	Will Not Occur ✓	Conditions to Avoid <b>High temperatures above 200°F</b>

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation? <b>Yes, see below</b>	Skin? <b>Can be an irritant</b>	Ingestion? <b>Low order of acute oral toxicity</b>
Health Hazards ( <i>Acute and Chronic</i> ) <b>See above. Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation.</b>			
Carcinogenicity: <b>N/A</b>	NTP? <b>N/A</b>	IARC Monographs? <b>N/A</b>	OSHA Regulated? <b>N/A</b>
Signs and Symptoms of Exposure <b>May cause skin rash in sensitive individuals.</b>			
Medical Conditions Generally Aggravated by Exposure <b>Pre-existing skin, eye, and respiratory disorders.</b>			
Emergency and First Aid Procedures <b>Contact with eyes and skin may cause mild irritation: Flush with water. If irritation persists, see Doctor. Ingestion: dilute by giving water. See Doctor. Inhalation: move to fresh air.</b>			

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled <b>Dissolve with warm water.</b>
Waste Disposal Method <b>Dispose of according to EPA requirements or in aqueous waste storage units for commercial chemical disposal. Observe all Federal, State and local laws concerning health and environment.</b>
Precautions to Be taken in Handling and Storing <b>Store in a cool, dark place. Refrigerate for longer shelf-life. Avoid sun and excess heat.</b>
Other Precautions <b>N/A</b>

**Section VIII - Control Measures**

Respiratory Protection ( <i>Specify Type</i> ) <b>None required with adequate ventilation &amp; normal usage conditions.</b>			
Ventilation	Local Exhaust <b>N/A</b>	Special <b>N/A</b>	
	Mechanical ( <i>General</i> ) <b>N/A</b>	Other <b>N/A</b>	
Protective Gloves <b>Impervious</b>		Eye Protection <b>Safety Glasses or goggles</b>	
Other Protective Clothing or Equipment <b>N/A</b>			
Work/Hygienic Practices <b>Use protective cream where excessive skin contact is likely.</b>			

**Material Safety Data Sheet****U.S. Department of Labor**

May be used to comply with  
OSHA's Hazard Communication Standard, 29 CFR 1910.1200  
Standard must be consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved OMB No. 1218-0072

<b>IDENTITY (As Used on Label and List)</b> <b>Diazo Photo Emulsion Remover (4557)</b>		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
<b>Section I Manufacturer's Name</b> <b>Speedball Art Products, LLC</b>		<b>Emergency Telephone Number</b> <b>704-838-1475</b>	
<b>Address (Number, Street, City, State, and ZIP Code)</b> <b>2301 Speedball Road Statesville, NC 28677 USA</b>		<b>Telephone Number for Information</b> <b>704-838-1475</b>	
<b>Date Prepared: January 2, 2012</b>		<b>Signature of Preparer (optional)</b>	

**Section II – Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s)):	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>This product has been evaluated by a Toxicologist only as per intended usage. DO NOT DEVIATE FROM INTENDED USE.</b>				

**Section III - Physical/Chemical Characteristics**

Boiling Point	212°F	Specific Gravity (H <sub>2</sub> O = 1)	1.02
Vapor Pressure (mm Hg.)	N/A	Melting Point	<32°F
Vapor Density (AIR = 1)	Less than 1	Evaporation Rate (Butyl Acetate = 1)	Less than 1
Solubility in Water	Dilutable	Appearance and Odor	Transparent liquid with slight detergent odor

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used)	Flammable Limits	LEL	UEL
N/A	N/A	N/A	N/A
Extinguishing Media N/A			
Special Fire Fighting Procedures <b>Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.</b>			
Unusual Fire and Explosion Hazards <b>Material can spatter above 212°F</b>			

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OSHA 174, Sept. 1985

**Section V - Reactivity Data**

Diazo Photo Emulsion Remover

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Stability	Unstable	Stable ✓	Conditions to Avoid N/A
Incompatibility ( <i>Materials to Avoid</i> ) <b>Avoid contact with strong oxidizing agents</b>			
Hazardous Decomposition or Byproducts None			
Hazardous Polymerization	May Occur	Will Not Occur ✓	Conditions to Avoid N/A

**Section VI - Health Hazard Data**

Route(s) of Entry: <b>Multiple</b>	Inhalation? <b>See below</b>	Skin? <b>Can be an irritant</b>	Ingestion? <b>Low order of acute oral toxicity</b>
Health Hazards ( <i>Acute and Chronic</i> ) <b>Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation. Eyes &amp; Skin: Can be an irritant</b>			
Carcinogenicity: N/A	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
Signs and Symptoms of Exposure N/A			
Medical Conditions Generally Aggravated by Exposure <b>Pre-existing eye, skin, and respiratory disorders</b>			
Emergency and First Aid Procedures <b>Contact with eyes and skin may cause irritation: Flush with water. If irritation persists, see doctor. Ingestion: dilute by giving water. See doctor. Inhalation: move to fresh air.</b>			

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled <b>Floor may be slippery; use care to avoid falling. Transfer to containers for recovery or disposal.</b>
Waste Disposal Method <b>Observe all Federal, State and local laws concerning health and environment.</b>
Precautions to Be taken in Handling and Storing N/A
Other Precautions N/A

**Section VIII - Control Measures**

Respiratory Protection ( <i>Specify Type</i> ) <b>None required with adequate ventilation &amp; normal usage conditions.</b>			
Ventilation	Local Exhaust N/A	Special N/A	
	Mechanical ( <i>General</i> ) N/A	Other N/A	
Protective Gloves <b>Impervious</b>		Eye Protection <b>Safety Glasses or goggles</b>	
Other Protective Clothing or Equipment <b>N/A</b>			
Work/Hygienic Practices <b>Use protective cream where excessive skin contact is likely.</b>			



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## MATERIAL SAFETY DATA SHEET

**HOUSTON ART, INC.**  
**10770 MOSS RIDGE ROAD**  
**HOUSTON, TEXAS 77043-1175**

Information Telephone:  
 (713) 462-1086

Emergency Telephone:  
 800-535-5053

Date Prepared: 01/01/2007

SECTION I				
<b>Product Identity (Name / Number)</b>		Pink Soap 132-64, 132-65, 132-66, etc.		
<b>Chemical Family</b>		Cleaning Compound		
SECTION II - Hazardous Ingredients				
Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Diethanolamine	3 ppm	15 mg/m <sup>3</sup>		< 1%
Ethanol	1000 ppm	1900 mg/m <sup>3</sup>		< 1%
Diethyl Phthalate		5 ppm		Proprietary
SECTION III - Physical & Chemical Characteristics				
<b>Boiling Point</b>	Above 212 °F	<b>Specific Gravity</b>	1	
<b>Vapor Pressure (mm Hg)</b>	N/A	<b>Melting Point</b>	N/A	
<b>pH</b>	8	<b>Evaporation Rate (Ethyl Ether=1)</b>	Less than 1	
<b>Solubility in Water</b>	Complete	<b>Appearance / Odor</b>	Liquid in various colors, generally pink or white / Natural or honey almond	
SECTION IV - Fire & Explosion Hazard Data				
<b>Flammable Limits (Explosive Limit)</b>	Upper: N/A	Lower: N/A		
<b>Flash Point (Method Used)</b>	N/A			
<b>Extinguishing Media</b>	Non-flammable. Water may be used for surrounding fires.			
<b>Special Fire Fighting Procedures</b>	Avoid breathing vapors during fires. Self-contained breathing apparatus is recommended.			
<b>Unusual Fire and Explosion Hazards</b>	N/A			
SECTION V - Reactivity Data				
<b>Stability:</b>	Unstable	X	Stable	
<b>Hazardous Polymerization:</b>	X	Will Not Occur		May Occur
<b>Conditions To Avoid</b>	N/A			
<b>Incompatibility (Materials to Avoid)</b>	Strong oxidizers.			
<b>Hazardous Decomposition or Byproducts</b>	Oxides of sulfur. Thermal decomposition may form carbon monoxide and carbon dioxide.			

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<b>SECTION VI(a) - Health Hazard Data</b>			
<b>Inhalation</b>	Very slight, if any.		
<b>Eye</b>	Irritating to eyes.		
<b>Skin</b>	Prolonged contact may cause dryness.		
<b>Ingestion</b>	Irritating; may cause nausea.		
<b>Reported As Potential Carcinogen or Carcinogen</b>			
	<b>International Agency for Research on Cancer</b>	<b>X</b>	<b>Not Applicable</b>
	<b>National Toxicology Program</b>		<b>OSHA</b>
<b>SECTION VI(b) - First Aid Procedures</b>			
<b>Inhalation</b>	Remove to fresh air.		
<b>Eye</b>	Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids open. Get medical attention.		
<b>Skin</b>	If irritation occurs, flush with water and get medical attention.		
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. If conscious and alert, give two glasses of water and seek medical attention.		
<b>SECTION VI(c) - Employee Protection</b>			
<b>Respiratory Protection (Utilize NIOSH approved respirators. Refer to manufacturers protection factors and OSHA standard 1910.134 as a guideline.) Respirators are not required for this product.</b>			
<b>SPECIAL PROTECTION INFORMATION:</b>			
<b>EYE</b>	Wear goggles if splashing potential exists.		
<b>SKIN</b>	Product is formulated to be a mild soap. Discontinue use if any irritation occurs.		
<b>VENTILATION</b>	Local exhaust		
<b>SPECIAL PROTECTION</b>	Eye wash fountains should be available for emergencies		
<b>SECTION VII - Special Precautions</b>			
<b>Handling and Storage</b>	Store in shaded area away from excess heat or cold.		
<b>Other Precautions</b>	Surfaces become slippery if material is spilled.		
<b>SECTION VIII - Environmental Protection</b>			
<b>Spills / Releases</b>	Pick up the material by soaking an absorbent or other suitable way and flush area with water to remove trace of residue.		
<b>Waste Disposal Method</b>	Dispose according to local, state and federal laws.		

**DISCLAIMER**

The information contained herein is based upon data available to us and reflects our best professional judgment. Since it is impossible to anticipate the conditions under which our products may be used, we cannot guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product for his particular purpose and should comply with all federal, state and local regulations. Our goal is to manufacture products with zero or minimal hazards. Our products are improved daily as up-to-date information and research is received from our suppliers to use products with less or no hazards. Please feel free to contact us for current information.

**Material Safety Data Sheet**

May be used to comply with  
OSHA's Hazard Communication Standard, 29 CFR 1910.1200  
Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved OMB No. 1218-0072

<b>IDENTITY (As Used on Label and List)</b> <b>Marmoleum (4303-4314, 4373-4386)</b>		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
<b>Section I Manufacturer's Name</b> <b>Speedball Art Products, LLC</b>		<b>Emergency Telephone Number</b> <b>704-838-1475</b>	
<b>Address (Number, Street, City, State, and ZIP Code)</b> <b>2301 Speedball Road Statesville, NC 28677 USA</b>		<b>Telephone Number for Information</b> <b>704-838-1475</b>	
<b>Date Prepared: January 2, 2012</b>		<b>Signature of Preparer (optional)</b>	

**Section II – Hazardous Ingredients/Identity Information**

<b>Hazardous Components (Specific Chemical Identity: Common Name(s)):</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits Recommended</b>	<b>% (optional)</b>
<b>None</b>				
<b>Product labeling conforms to ASTM D-4236. Approved for the AP seal as per the Art &amp; Craft Materials Institute, Inc. (ACMI). Note: This product has been certified to be non-toxic. This product has been evaluated by a Toxicologist only as per intended usage. DO NOT DEVIATE FROM INTENDED USE.</b>				

**Section III - Physical/Chemical Characteristics**

<b>Boiling Point</b>	<b>N/A</b>	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	<b>1.15-1.25</b>
<b>Vapor Pressure (mm Hg.)</b>	<b>N/A</b>	<b>Melting Point</b>	<b>N/A</b>
<b>Vapor Density (AIR = 1)</b>	<b>N/A</b>	<b>Evaporation Rate (Butyl Acetate = 1)</b>	<b>N/A</b>
<b>Solubility in Water</b>	<b>Insoluble</b>	<b>Appearance and Odor</b>	<b>Linoleum sheet or tile, floorcovering on a Hessian backing</b>

**Section IV - Fire and Explosion Hazard Data**

<b>Flash Point (Method Used)</b> <b>N/A</b>	<b>Flammable Limits</b> <b>N/A</b>	<b>LEL</b> <b>N/A</b>	<b>UEL</b> <b>N/A</b>
<b>Extinguishing Media</b> <b>Water spray, CO<sub>2</sub>, Foam, or dry powder.</b>			
<b>Special Fire Fighting Procedures</b> <b>Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear.</b>			
<b>Unusual Fire and Explosion Hazards</b> <b>N/A</b>			

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OSHA 174, Sept. 1985

**Section V - Reactivity Data**

Marmoleum

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Stability	Unstable	Stable ✓	Conditions to Avoid N/A
Incompatibility ( <i>Materials to Avoid</i> ) N/A			
Hazardous Decomposition or Byproducts N/A			
Hazardous Polymerization	May Occur	Will Not Occur ✓	Conditions to Avoid N/A

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation? N/A	Skin? N/A	Ingestion? N/A
Health Hazards ( <i>Acute and Chronic</i> ) N/A			
Carcinogenicity: N/A	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
Signs and Symptoms of Exposure N/A			
Medical Conditions Generally Aggravated by Exposure N/A			
Emergency and First Aid Procedures N/A			

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled N/A
Waste Disposal Method <b>Observe all Federal, State and local laws concerning health and environment.</b>
Precautions to Be taken in Handling and Storing N/A
Other Precautions N/A

**Section VIII - Control Measures**

Respiratory Protection ( <i>Specify Type</i> ) N/A			
Ventilation	Local Exhaust N/A	Special N/A	
	Mechanical ( <i>General</i> ) N/A	Other N/A	
Protective Gloves N/A		Eye Protection N/A	
Other Protective Clothing or Equipment N/A			
Work/Hygienic Practices N/A			

## Hard Rubber Brayer

January 2, 2012

# MATERIAL SAFETY DATA SHEET (MSDS) RUBBER ROLLER BLACK

### I. COMPANY AND PRODUCT IDENTIFICATION

**Company :** AILGA EXPORTS  
84/8, Fazal Ganj,  
Kanpur (India)  
  
Pin Code - 208012  
  
Tel: +91-512-2217068  
  
Fax: +91-512-2216213

**Product:** Rubber Roller Black (41P352/41P351)

**Chemical Name:** Nitrile Rubber.

**Trade Names:** CHEMIGUM (NBR)

**Emergency Phone Number:** +91-512-2217068

### II. INGREDIENTS / IDENTITY INFORMATION

**Major components:** Nitrile Rubber

**Minor Components:** Zinc Oxide  
Sulfur  
Process Oil  
Accelerators / Activators (< 1%)  
Antioxidant / Stabilizers (< 1%)  
ppt. Carbon Black (FEF)

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**III. PHYSICAL PROPERTIES**

Appearance	:	Flexible rubber rolls
Odor	:	Slight typical rubber product odor
Specific Gravity	:	1.20-1.40
Boiling Point	:	N/A
Melting Point	:	N/A
Decomposition Temperature	:	> 250 °C
Vapor Pressure	:	N/A
Percent Volatile	:	N/A
Solubility in water	:	Insoluble

**IV. FIRE AND EXPLOSION HAZARD DATA**

Flash Point	:	> 300 ° C
Lower Explosion Limit	:	N/A
Upper Explosion Limit	:	N/A
Fire Hazard :	:	Stable under normal situation flammable / combustible under high heat and flame. Can generate toxic and combustible fumes, - Carbon monoxide nitrogen and hydrocarbon compounds, and soot.
Fire Fighting Procedures	:	Use full protective equipment filter masks etc.
Extinguishing Media	:	High expansion Foam, water fog and spray.

**V. HEALTH HAZARDS**

Contact:	:	Wash hands with mild soap after handling. Avoid contact with eyes. If the eyes are irritated flush with water for ten minutes. Obtain medical attention. Avoid ingestion. If ingested seek medical attention.
Inhalation	:	Work in well-ventilated area.

**VI. REACTIVITY AND STABILITY**

Stability	:	Product is non-reactive with non-polar chemicals and aqueous solutions.
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**Reactivity:** : **Stable under normal situation. Flammable and Combustible. Store below 35° C in cool, dry location.**

**VII. WASTE DISPOSAL** : **Disposal must be in accordance with, state and local regulations.  
Bury waste in approved landfill site.  
Do not incinerate.**

**VIII. PROTECTIVE EQUIPMENT**

**Ventilation** : : **Local and general ventilation is necessary to keep air concentration below level of concern.**

**IX. STORAGE AND TRANSPORTATION**

Package product in paper, plastic film, or box in order to minimize surface exposure store in cool dry, ventilation area.

**X. INFORMATION**

With appropriate commercial practices, the natural rubber materials and products are safe to handle and in storage.