

MATERIAL SAFETY DATA SHEET

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MATERIAL SAFETY DATA SHEET (SUBSTITUTES FOR OSHA FORM 174): May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

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PRODUCT NUMBER: 137430
 IDENTITY: METAL LEAF SPRAY 8A Revision Date: 06-14-2013

Section I

Manufacturer's Name: Speedball Art Products Telephone Numbers:
 Address: 2301 Speedball Rd Emergency: 800-898-7224
 Statesville NC Information: 800-898-7224
 28677

HMS CODES: REACTIVITY: 1 FLAMMABILITY: 3 HEALTH: 1 PERSONAL PROTECT: A

Section II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (All of the ingredients contained in this product are listed on the TSCA inventory.)

Name	Cas No.	OSHA PEL	ACGIH TLV	OTHER LIM	%	
2-BUTOXY ETHANOL	*	111-76-2	25PPM	25PPM	N/A	---
ACETONE		67-64-1	1000PPM	750PPM	N/A	---
PROPANE	*	74-98-6	1000PPM	N/A	N/A	---
TOLUENE	*+	108-88-3	100PPM	50PPM	N/A	---
XYLENE (XYLOL)	*	1330-20-7	100PPM	100 PPM	N/A	---

Comment

THIS PRODUCT CONTAINS THE TOXIC CHEMICALS MARKED WITH AN * SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372.

THIS PRODUCT CONTAINS CHEMICAL(S) MARKED WITH A + KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

Section III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	135	Specific Gravity (water=1)	0.87
Vapor Pressure (mm Hg)	38	Melting Point:	N/A
Vapor Density (AIR=1)	2	Evaporation Rate:	6
Solubility in Water:	0%	(Butyl Acetate=1)	
Appearance and Odor :	CLEAR SPRAY	AROMATIC SOLVENT SCENT	

Section IV: FIRE AND EXPLOSION HAZARD

Flash Point (Method used): <20 F TCC Flammable Limits: LEL: 2.6 UEL: 7.0
 Extinguishing Media: CO2, WATER FOG, CHEMICAL FOAM
 Special Fire Fighting Procedures: WEAR SELF CONTAINED BREATHING APPARATUS IF INDICATED.

Unusual Fire and Explosion Hazards: EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. EXPOSURE TO TEMPERATURES ABOVE 120 DEG F MAY CAUSE BURSTING. KEEP AWAY FROM HEAT, FIRE, SPARKS OR OTHER SOURCES OF IGNITION.

Section V: REACTIVITY DATA

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Stability: Unstable: ----- Conditions to avoid: -----
Stable: X TEMPERATURES ABOVE 120F
Incompatibility (Materials to Avoid): SOME PLASTICS

Hazardous Decomposition or Byproducts: NONE

Hazardous Polymerization: May Occur: Will Not Occur: X
Conditions to Avoid: NONE

Section VI: HEALTH HAZARD DATA

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Routes of Entry: Inhalation: YES Skin: YES Ingestion: NO
Health Hazards (Acute and Chronic):
INHALATION: DIZZINESS. EXCESSIVE EXPOSURE MAY CAUSE UNCONSCIOUSNESS.
EYES: STRONG IRRITATION. SKIN: IRRITATION. MAY CAUSE DRYNESS AND DEFATTING.
Carcinogenicity: NTP:NO IARC Monographs: NO OSHA Reg: NO
Signs and Symptoms of Exposure: SEE HEALTH HAZARDS ABOVE

Medical Conditions Generally Aggravated by Exposure: NONE KNOWN
Emergency and First Aid Procedures: INHALATION: REMOVE TO FRESH AIR.
EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES. CONSULT PHYSICIAN.
SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS CONSULT PHYSICIAN.

Section VII: PRECAUTIONS FOR SAFE HANDLING AND USE

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Steps to be Taken in Case Material is Released or Spilled: WIPE UP WITH RAG OR USE
SOME ABSORBENT CLAY MATERIAL.

Waste Disposal Method: DISPOSE OF RESIDUE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL
GUIDELINES. DO NOT PUNCTURE OR INCINERATE CONTAINER.
DO NOT REUSE CONTAINER. WRAP AND PLACE IN TRASH COLLECTION OR OFFER FOR RECYCLING.
Precautions to be Taken in Handling and Storing: DO NOT USE OR STORE NEAR HEAT OR
OPEN FLAME. EXPOSURES TO TEMPERATURES ABOVE 120F MAY CAUSE BURSTING.
Other Precautions: NONE

Section VIII: CONTROL MEASURES

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Respiratory Protection: USE WITH ADEQUATE VENTILATION.
Ventilation: Local Exhaust: XX
Mechanical: N/A Special: N/A
Other: N/A
Protective Gloves: GLOVES ARE RECOMMENDED WHEN USING THIS PRODUCT
Eye Protection: EYE PROTECTION IS RECOMMENDED WHEN USING CHEMICAL PRODUCTS
Other Protective Clothing or Equipment:
N/A
Work/Hygienic Practices:
WASH HANDS AND CLOTHING IN CONTACT WITH PRODUCT AFTER USE

Material Safety Data Sheet

1. Product and Company Identification

- 1.1 Trade Name: Imitation gold leaf (Schlagmetall) color No 2,5
1.2 Company: Speedball Art Products
2301 Speedball Road, Statesville, NC
28677

2. Composition/Data on components:

Alloy : 85% copper – 15% zinc

3. Hazard Identification

The product is not dangerous for health and environment

4. First Aid Measures

General Information: No special measures required
The product is generally no skin irritant
After eye contact rinse opened eye under running water
After swallowing in case of persistent symptoms consult doctor

5. Fire fighting measures

The product is not flammable
Protective equipment : no special measures required

6. Accidental release measures

Person-related safety precautions : not required
Measures for environmental protection : not required
Additional information : no dangerous materials are released

7. Handling and storage

The product does not need special requirements for handling and storage

8. Exposure control / personal protective equipments

General protective equipments and hygienic measures
Breathing equipment : not required
Hands protection: not required
Eyes protection : not required

9. Physical and chemical properties

Form : solid material
Colour: golden
Smell: None
Melting point / Melting range 1083° C
Boiling point / boiling range 2356° C
Flash point: n.a.
In flammability point : n.a.
Danger of explosion . n.a.

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REVISION DATE: 05-17-2010

SUPERSEDES: 09-19-1998

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**COMPANY INFORMATION**

Speedball Art Products
2301 Speedball Road
Statesville, NC 28677
(800) 898-7224

FOR CHEMICAL EMERGENCY 24 HOURS CALL INFOTRAC 800-535-5053

PRODUCT INFORMATION Metal Leaf Adhesive Pen 10033 & 10034
PRODUCT IDENTIFIER: 816825PM
PRODUCT NUMBER: AP6903
PRODUCT DESCRIPTION: Synthetic resin

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for any additional exposure limit guidelines.

Chemical Name	CAS #	PERCENT	OSHA PEL
Polyethylene glycol branched nonylphenyl ether	68412-54-4	1 - 5	Not established
Vinyl acetate	108-05-4	0.1 - 1	TWA 10 ppm STEL 20 ppm

SECTION 3: HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

HMIS RATING: HEALTH -- 0 FLAMMABILITY -- 0 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

EYE: No irritation hazard in normal industrial use.

SKIN: No irritation hazard in normal industrial use.

INHALATION: No irritation hazard in normal industrial use.

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INGESTION: Ingestion is not an anticipated route of exposure.

LONG-TERM (CHRONIC) HEALTH EFFECTS

TARGET ORGAN(S): No organs known to be damaged from exposure to this product.

REGULATED CARCINOGEN STATUS:

Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.

Vinyl acetate

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: No medical conditions affected by exposure.

SECTION 4: FIRST AID MEASURES

IF IN EYES: Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

IF ON SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

IF VAPORS INHALED: This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

IF SWALLOWED: No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:	Non flammable
AUTOIGNITION TEMPERATURE:	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
UPPER EXPLOSIVE LIMIT (% in air):	Not established
EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.
SPECIAL FIRE FIGHTING INSTRUCTIONS:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide, Carbon monoxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION: No adverse health effects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this MSDS.

CLEAN-UP: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 7: HANDLING AND STORAGE

Handling: No special handling instructions due to toxicity.

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This product contains limited amounts of residual monomer. Under normal handling and use conditions the residual monomer should not present a hazard. In storage the monomer will migrate from the emulsion and establish an equilibrium between the headspace in the storage container and the liquid emulsion. Levels in excess of acceptable exposures can accumulate in non-vented headspaces above the emulsion. All procedures appropriate for a confined space entry should be completed prior to performing any work in a bulk storage tank.

Storage: Store in a cool, dry place.

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Wear safety glasses when handling this product.
SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves.
GLOVES: Not normally required. Use nitrile gloves if conditions warrant.
RESPIRATORY PROTECTION: No respiratory protection required under normal conditions of use. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).
VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures.

EXPOSURE LIMITS:

Chemical Name	ACGIH EXPOSURE LIMITS	AHA WEEL
Polyethylene glycol branched nonylphenyl ether	Not established	Not established
Vinyl acetate	TWA 10 ppm STEL 15 ppm	Not established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
COLOR: White
ODOR: Sweet
ODOR THRESHOLD: Not established
WEIGHT PER GALLON (lbs.): 9.2
SPECIFIC GRAVITY: 1.1
SOLIDS (% by weight): 50.5
pH: 5.5
BOILING POINT (deg. C): Not established
FREEZING/MELTING POINT (deg. C): Not established
VAPOR PRESSURE (mm Hg): Not established
VAPOR DENSITY: Not established
EVAPORATION RATE: Not established
OCTANOL/WATER COEFFICIENT: Not established

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

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CHEMICAL INCOMPATIBILITY: Not established
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

CHEMICAL NAME	LD50/LC50
Polyethylene glycol branched nonylphenyl ether	Not established
Vinyl acetate	Oral LD50 Rat = 2920 mg/kg Inhalation LC50 Rat = 11400 ml/cu m Dermal LD50 Rabbit = 2335 mg/kg

TOXICOLOGY SUMMARY: No additional health information available.

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available

SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

SECTION 15: REGULATORY INFORMATION**INVENTORY STATUS**

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

CANADIAN CEPA DSL: This product is in compliance with the Canadian Domestic Substance List requirements.

If you need more information about the inventory status of this product call 651-236-5858.

TSCA Section 12(b) - Export Notice Requirements

This product contains a chemical substance that is currently on the EPA's Section 12(b) Export List. Contact the company Global Regulatory Group at 651/236-5858 for the identity of the Section 12(b) chemical(s).

FEDERAL REPORTING**EPA SARA Title III Section 313**

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 72. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
Glycol ethers	68412-54-4	1 - 5
Vinyl acetate	108-05-4	0.1 - 1

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WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

D2A

STATE REPORTING

This MSDS is not prepared for distribution in California.

SECTION 16: ADDITIONAL INFORMATION

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Prepared by: The Global Regulatory Department

Phone: 651-236-5842