

27001-4059

Clear WB Sealer for Houston Art

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M A T E R I A L S A F E T Y D A T A S H E E T

PRODUCT NAME: Clear WB Sealer for Houston Art

HMIS CODES: H F R P

PRODUCT CODE: EXP-1923 II

NOTES: N/A

FOR INDUSTRIAL USE ONLY

## ===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: HOUSTON ART, INC.  
 ADDRESS : 10770 MOSS RIDGE ROAD  
 HOUSTON, TEXAS 77043-1175

EMERGENCY PHONE : 1(800) 535-5053  
 INFORMATION PHONE : 713-462-1086

DATE PRINTED : 01/25/07  
 NAME OF PREPARER : D. Anderson

## ===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
2-butoxyethanol TLV = 25ppm PEL = 25ppm	111-76-2	0.67 20 C	5.09
ESTER ALCOHOL TLV= Not Established PEL= Not Established	25265-77-4	0.004 68 F	2.43

## ===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 244 C - 336-343 F  
 VAPOR DENSITY: N/A  
 COATING V.O.C.: 1.98 lb/gl  
 SOLUBILITY IN WATER: Not Soluble  
 APPEARANCE AND ODOR: N/A

SPECIFIC GRAVITY (H2O=1): 1.02  
 EVAPORATION RATE: N/A  
 MATERIAL V.O.C.: 0.68 lb/gl

## ===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: N/A METHOD USED: N/A  
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: N/A

SPECIAL FIREFIGHTING PROCEDURES  
 N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS  
 N/A

## ===== SECTION V - REACTIVITY DATA =====

STABILITY: N/A  
 CONDITIONS TO AVOID  
 /A

INCOMPATIBILITY (MATERIALS TO AVOID)  
 /A

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HAZARDOUS DECOMPOSITION OR BYPRODUCTS

N/A

HAZARDOUS POLYMERIZATION: N/A

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

N/A

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

N/A

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

N/A

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: Severe eye irritation, drying of skin, excessive inhalation may cause headache, dizziness, vomiting, narcosis, coma

CHRONIC: Cardiac abnormality

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

Target Organs: Respiratory system, skin

Primary Routes of Entry: Dermal or eye contact, inhalation, ingestion

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

N/A

TOXICOLOGICAL INFORMATION

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

N/A

OTHER PRECAUTIONS

N/A

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

N/A

VENTILATION

N/A

PROTECTIVE GLOVES

N/A

EYE PROTECTION

N/A

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WORK/HYGIENIC PRACTICES

N/A

===== SECTION IX - DISCLAIMER =====

N/A

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**MATERIAL SAFETY DATA SHEET**

REVISION DATE: 03-01-07

SUPERSEDES: 09-19-1998

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

Houston Art, Inc.  
10770 Moss Ridge Rd.  
Houston Texas 77043-1175  
713 462 1086

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

**PRODUCT INFORMATION** Metal Leaf liquid adhesive #0010210  
**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**

**HMS 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**

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

**MATERIAL SAFETY DATA SHEET**

**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 acrylate/urethane 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	CA35	%
Glycol ethers	68412-54-4	1 - 5
Vinyl acetate	108-05-4	0.1 - 1

**MATERIAL SAFETY DATA SHEET**

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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

HOUSTON ART, INC.  
 10770 Moss Ridge Road  
 Houston, Texas 77043-1175  
 USA



01-01-2005

MATERIAL SAFETY DATA SHEET

CHEMICAL NAME AND SYNONYMS : IMITATION GOLD LEAF  
 TRADE NAME AND SYNONYMS : COMPOSITION GOLD LEAF / VARIEGATED LEAF  
 CHEMICAL FAMILY : BRASS BEATEN METAL  
 ALLOY CONSISTS : COPPER (CAS NO. 7440-50-8) 85%  
 ZINC (CAS NO. 7440-66-8) 15%

HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>PPM</u>	<u>VAPOR PRESSURE</u>
BRASS METAL	100%	NA	NA

PHYSICAL DATA

BOILING POINT : NA  
 VAPOR DENSITY : NA PERCENT VOLATILE BY VOLUME 0  
 EVAPORATION RATE : NA WEIGHT PER M<sup>3</sup> 8800  
 SOLUBILITY IN WATER : NA

FIRE EXPLOSION HAZARD DATA

FLASH POINT : NA  
 EXTINGUISHING MEDIA : CARBON DIOXIDE- DRY POWDER- FOAM  
 UNUSUAL, FIRE AND EX-  
 PLOSION HAZARDS : NONE  
 SPECIAL FIRE FIGHTING  
 PROCEDURES : SELF CONTAINED  
 BEATING APPARATUS

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**HOUSTON ART, INC.**  
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USA



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**HEALTH HAZARDS**

EFFECTS OF OVEREXPOSURE : NONE

**REACTIVITY DATA**

STABILITY STABLE CONDITIONS TO AVOID : HEAT, SPARKS, OPEN FLAMES

HAZARDOUS DECOMPOSITION PRODUCTS : NONE

HAZARDOUS POLYMERIZATION : WILL NOT OCCUR

**SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING : STORE IN A DRY AREA

OTHER PRECAUTIONS : KEEP AWAY FROM OPEN FLAME-KEEP CONTAINERS TIGHTLY SEALED

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