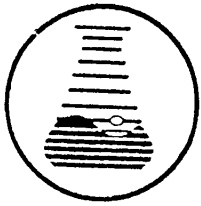


1290



**ALLIED LABORATORIES CORP.**

716 North Iowa Avenue  
Villa Park, IL 60181  
Phone: 630.279.0390  
Fax: 630.279.3114

550166  
550168  
RB00916

9712862  
9712863  
9714735  
9722344

**Scratch Art Company, Inc.**  
**P.O.Box 303**  
**Avon, MA 02322**

**May 23, 2001**

**Attn: Nathan Polsky**

**Allied Report # 23189**

A sample of Scratch Lite "Stained Glass" Sheets, a product of the Scratch Art Company, was examined to determine whether or not the labeling of the product conforms to standards established by the Federal Hazardous Substances Act (LHAMA) and by ASTM D-4236.

The product is a transparent plastic sheet, impregnated with various dyes, coated with a layer of black ink. Scratching off some of the black ink with a wooden stick leaves a multicolored pattern. The black ink dust which is produced should not become airborne.

The phrase "Conforms with ASTM D-4236" should be on the package.

Based on my forty plus years of professional experience, I believe the product will not present chronic health hazards to users.

This conclusion is based on the knowledge that, when properly used, there is only minimal contact of the coating materials with the skin. Any small amounts which may adhere to the skin may be safely removed by brushing, or by washing with soap and water.

**Irving L. Domsky, Ph.D.**  
**Laboratory Director**

**MATERIAL SAFETY DATA SHEET**

**BLACK**

Page: 1

PRODUCT NAME: BLACK  
PRODUCT CODE: LG-37687

HMS CODES: H F R P  
2 2 0 B

**SECTION I - MANUFACTURER IDENTIFICATION**

**MANUFACTURER'S NAME**

ADDRESS : 4035 W. Kinzie Street  
CITY/STATE : CHICAGO, IL  
ZIP CODE : 60624  
EMERGENCY PHONE : (800) 255-3924  
INFORMATION PHONE : (773) 826-0200

DATE PRINTED : 12/14/99  
NAME OF PREPARER : Cudner & O'Connor

**SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION**

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
MINERAL SPIRITS OSHA: PEL 100ppm, ACGIH: TLV 100ppm	8052-41-3	2 68F	40 - 45
CARBON BLACK NA	1333-86-4	N/A N/A	10.79
ROSIN OSHA: PEL N/E, ACGIH: TLV N/E	MIXTURE	.001 68F	05 - 10
PETROLEUM HYDROCARBON 100 OSHA: PEL 50 ppm, ACGIH: TLV 50 ppm	64742-95-6	4 68F	05 - 10
* 1,2,4 TRIMETHYLBENZENE OSHA: PEL 25ppm, ACGIH: TLV 25ppm	95-63-6	9 25C	05 - 10
SYNTHETIC AMORPHOUS SILICA OSHA: PEL 6mg/M3, ACGIH: TLV 10mg/M3 (As Dust)	MIXTURE	N/A N/A	00 - 05
DI(2-ETHYLNEXYL) PHTHALATE OSHA: PEL 5 mg/M3, ACGIH: TLV 5mg/M3	117-81-7	N/A N/A	0.81

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.  
WARNING: DETECTABLE AMOUNTS OF A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM MAY BE PRESENT IN THIS PRODUCT.

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING RANGE: 278.6F - 724F  
VOLATILE WEIGHT: 53.88%  
VAPOR DENSITY: HEAVIER THAN AIR  
MATERIAL V.O.C.: 4.51 lb/gal  
APPEARANCE AND ODOR: Characteristic Solvent Odor  
SPECIFIC GRAVITY (H2O=1): 1.00  
VOLATILE VOLUME: 66.97%  
EVAPORATION RATE: SLOWER THAN ETHER  
SOLUBILITY IN WATER: Non Soluble

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: 80F  
FLAMMABLE LIMITS IN AIR BY VOLUME-- LOWER: .3  
METHOD USED: TCC  
UPPER: 13.3

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

**SPECIAL FIREFIGHTING PROCEDURES:**

Self-containing breathing apparatus (SCBA) should be worn to avoid inhalation of concentrated vapors. Water should not be used except as fog to keep nearby containers cool. Fumes released on burning may be toxic and dangerous.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

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

**BLACK**

Handle as flammable liquid. Vapors form an explosive mixture in air between the upper and lower explosive limits which can be ignited by many sources such as pilot lights, open flames, electrical motors and switches.

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

**STABILITY:** STABLE

**CONDITIONS TO AVOID:**

Excessive heat, poor ventilation, corrosive atmospheres, excessive aging, ignition sources, sparks and open flame.

**INCOMPATIBILITY (MATERIALS TO AVOID):**

Alkaline materials, strong acids and oxidizing materials.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**

Carbon monoxide, carbon dioxide, oxides of nitrogen, and possibly acrolein.

**HAZARDOUS POLYMERIZATION:** Not anticipated during normal printing and storage conditions.

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

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Inhalation: Dizziness, breathing difficulty, headaches & loss of coordination.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Eye contact: Severe irritation, tearing, redness and blurred vision.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Skin contact: Can dry and defat skin causing cracks, irritation, and dermatitis.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Ingestion: Can cause gastrointestinal irritation, vomiting, nausea, and diarrhea. Aspiration of material into lungs may cause chemical pneumonitis which can be fatal.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. If lead compounds and inorganic lead are present it is classified as a (GROUP 2B) carcinogen by IARC. Repeated and prolonged overexposure to lead by ingestion may cause nausea, digestive disorders, abdominal cramps and insomnia as well as blood, nervous, urinary and birth defects. Lead exposure is not expected when using this product as intended. Chromium and certain Chromium compounds are included in the NTP and IARC list of carcinogens.

**CARCINOGENICITY:** NTP CARCINOGEN: Yes    IARC MONOGRAPHS: Yes    OSHA REGULATED: No  
No Information Available.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

Pregnant women and persons with pre-existing health disorders should consult their physician before using this product. Repeated and prolonged overexposure and/or individual sensitivity may increase the potential for and degree of adverse health effects.

**EMERGENCY AND FIRST AID PROCEDURES:**

Inhalation overexposure: Move person to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention. Eye contact: Flush with large quantities of water for 15 minutes. Skin contact: Wash thoroughly with soap and water and see a physician. Ingestion: Do not induce vomiting, can cause chemical pneumonitis and pulmonary edema. Contact physician immediately.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Remove all sources of ignition. Ventilate area and avoid breathing vapor. Contain release and remove with inert absorbent. Use non-

SCRATCH-LITE

3

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

Page: :

sparking tools to place material in appropriate container for disposal.

**WASTE DISPOSAL METHOD:**

Dispose of in accordance with local, county, state, provincial and federal regulations. Emptied containers may retain hazardous properties. Empty containers should be disposed of in an environmentally safe manner in accordance with applicable regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Use non-sparking utensils when handling this material. Avoid hot metal surfaces. Use in cool, well-ventilated areas. Keep containers closed when not in use. Keep away from excessive heat and open flames.

**OTHER PRECAUTIONS:**

Smoking in area where this material is used should be strictly prohibited. Tools used with this material should be made from aluminum, brass or copper. Plastic utensils should not be used. NOTE: This information is accurate to the best knowledge of Cudner & O'Connor Co., but is furnished without any expressed or implied warranties.

**SECTION VIII - CONTROL MEASURES****RESPIRATORY PROTECTION:**

When spraying this material use a NIOSH approved cartridge respirator or gasmask suitable to keep airborne mists and vapor concentrations below the timoweighted threshold limit values. When used in poorly ventilated and confined spaces, use an appropriate half mask or full face NIOSH approved respirator.

**VENTILATION:**

General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof.

**PROTECTIVE GLOVES:**

Use impermeable chemical handling gloves for skin protection.

**EYE PROTECTION:**

Use chemical safety glasses, goggles, and faceshields for eye protection.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

Use impermeable aprons and protective clothing whenever possible to prevent skin contact.

**WORK/HYGIENIC PRACTICES:**

Wash with soap and water before eating, smoking or using toilet facilities. Separately wash or discard clothing and footwear before reuse. Never try to remove ink from the skin by using solvent or thinner. Remove contaminated clothing to prevent prolonged contact.

**SECTION IX - DISCLAIMER**

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, warranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any federal or state laws.

# MATERIAL SAFETY DATA SHEET

crayon  
MIX

(1)

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME		EMERGENCY TELEPHONE NO.
		717-454-3596
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS	
MIXTURE	CRAYON MIX	
CHEMICAL FAMILY	FORMULA	
MIXTURE	CRAYON MIX	

## SECTION II - HAZARDOUS INGREDIENTS

NONE

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
NON-TOXIC					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.7
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER	negligible		
APPEARANCE AND ODOR various colors. Essentially none			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	carbon dioxide, sand, or foam			
SPECIAL FIRE FIGHTING PROCEDURES	handle the same as any fire			
UNUSUAL FIRE AND EXPLOSION HAZARDS	do not store with strong oxidizers			

<b>SECTION V - HEALTH HAZARD DATA</b> <span style="float: right;">NON-TOXIC</span>
THRESHOLD LIMIT VALUE
EFFECTS OF OVEREXPOSURE
EMERGENCY AND FIRST AID PROCEDURES

<b>SECTION VI - REACTIVITY DATA</b>			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY <i>(Materials to avoid)</i> <span style="float: right;">Solvents will dissolve</span>			
HAZARDOUS DECOMPOSITION PRODUCTS <span style="float: right;">carbon monoxide in case of incomplete combustion</span>			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

<b>SECTION VII - SPILL OR LEAK PROCEDURES</b>	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
RECOVER-FREE PRODUCT.	
WASTE DISPOSAL METHOD	
DISPOSE OF ACCORDING TO LOCAL REGULATIONS	

<b>SECTION VIII - SPECIAL PROTECTION INFORMATION</b>			
RESPIRATORY PROTECTION <i>(Specify type)</i> <span style="float: right;">NONE</span>			
VENTILATION	LOCAL EXHAUST		SPECIAL
	MECHANICAL <i>(General)</i>		OTHER
PROTECTIVE GLOVES <span style="float: right;">NONE</span>		EYE PROTECTION <span style="float: right;">SAFETY GLASSES</span>	
OTHER PROTECTIVE EQUIPMENT <span style="float: right;">NONE</span>			

<b>SECTION IX - SPECIAL PRECAUTIONS</b>	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
STORE IN COOL, DRY PLACE	
OTHER PRECAUTIONS	



DIVISION BIENS DE CONSUMMATION DU GROUPE BUREAU VERITAS

**TOTAL CADMIUM ANALYSES**

Date: March 20, 2000  
Recipient: Mrs. SHANA'A ZOGHEIB  
Company: ACLA - Sarl  
Address: 2 Rue Ampère  
94200 IVRY SUR SEINE  
FRANCE  
Sample ID: Multicolor board

Page: 1 of 1  
Report No.: (5400)012-0006  
Date received: January 12, 2000  
Reference No.: Not Available  
Supplier: Scratch-Art Co.  
Origin: United States  
Material(s): Coatings / Paint  
Paper / Cardboard

**RESULTS :**

<u>SAMPLE</u>	<u>RESULT</u>	<u>PASS / FAIL</u>
B Black coating	LT 5	PASS
C Yellow coating	LT 5	PASS
D Blue coating	LT 5	PASS
E Red coating	LT 5	PASS

Results are reported as milligrams per kilogram (mg/kg)(ppm)  
LT= Less Than  
Limit: 100 mg/kg

**CONCLUSION:**

The sample **COMPLIES** with the requirements of the Council Directive 91/338/EEC dated June 18, 1991 and with the requirements of "TITLE II : CADMIUM AND ITS COMPOUNDS" of the French Decree No. 94-647 dated July 27, 1994 related to the limitation on the marketing and the use of cadmium and of their compounds.

ACTS TESTING LABS  
  
Dominique Billeret,  
R & D Manager

ACTS Laboratoire d'Essais, SARI  
Les Heupliers, 17 rue du Vertuquet  
59960 Neuville en Ferrain, France  
Tel (33) 03.20.46.34.56 Fax (33) 03.20.46.34.67  
www.acts-testing.com

Nos rapports d'essai et nos conclusions sont réservés à l'usage exclusif de nos clients. Toute copie ou reproduction sans autorisation est formellement interdite. Nos rapports sont destinés à un usage interne et ne doivent pas être divulgués à des tiers. Les résultats des essais sont soumis à la responsabilité de nos clients. Les résultats des essais ne sont pas recommandés pour des applications critiques. Les clients des tests doivent être informés que nos rapports incluent tous les résultats obtenus pendant les essais. Les clients doivent être informés que nos rapports ne sont pas destinés à être utilisés comme preuve en justice. Les clients doivent être informés que nos rapports ne sont pas destinés à être utilisés comme preuve en justice. Les clients doivent être informés que nos rapports ne sont pas destinés à être utilisés comme preuve en justice. Les clients doivent être informés que nos rapports ne sont pas destinés à être utilisés comme preuve en justice.

SARI au capital de 50 000 F - RCS Roubaix-Tourcoing B 380 226 795