

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY

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PRODUCT FORM: Article

PRODUCT: A, D, E, EW, H, K, M, N, P, W Series Pigment Foils (Manufactured after 1991)
(This SDS does not apply to older lots manufactured prior to 1991.)

CHEMICAL NAME OR SYNONYMS: Not available – mixture

CHEMICAL FAMILY: Hot Stamping Foil

INTENDED USE OF PRODUCT: Decorative product for plastics and graphic arts. For professional use only.

SECTION 2: HAZARD(S) IDENTIFICATION

As individual components might be hazardous, our interpretation is that because those components are bound within a polymeric matrix, this material is not hazardous as defined by OSHA's Hazard Communication Standard (29 CFR 1910.1200). In actual applications, refer to Section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS: Mixture

COMPONENT	CAS #	WEIGHT %
Polyester Film	25038-59-9	40-90%
Polymers, Waxes	Trade secret	5-100%
Pigments, Dyes, Fillers	Trade secret	0-80%
Titanium Dioxide (white pigment)	13463-67-7	0-80%
Carbon Black (black pigment)	1333-86-4	0-60%
Talc (filler)	14807-96-6	0-20%
Additives	Trade secret	0-10%

SECTION 4: FIRST-AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Remove to fresh air. If difficulty breathing persists, seek medical attention.

Eye Contact: Flush eyes with copious amount of water for at least 15 minutes. If irritation develops or persists, seek medical attention.

Skin Contact: Wash affected area with soap and water. If irritation develops or persists, seek medical attention.

Ingestion: Seek medical attention. Never administer anything by mouth to an unconscious person.

IMPORTANT SYMPTOMS AND EFFECTS (both acute and delayed):

Symptoms/Injuries After Inhalation, Skin Contact, and/or Eye Contact: None expected to present a significant hazard under normal conditions of use.

Symptoms/Injuries After Ingestion: Ingestion is not considered a potential route of exposure.

Chronic Symptoms/Injuries: None expected under normal conditions of use.

SECTION 5: FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Foam, Extinguishing Powder, Carbon Dioxide, or Water Spray

UNSUITABLE EXTINGUISHING MEDIA: None known.

SPECIAL FIREFIGHTING PROCEDURES AND EQUIPMENT: None known.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

Other information: Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF RELEASED OR SPILLED: Not Applicable.

SECTION 7: HANDLING AND STORAGE

STORAGE INFORMATION: Store away from excessive heat or open flame and incompatible chemicals and products.

HANDLING INFORMATION: Handle in accordance with good industrial hygiene and safety practices. Wash hands and face after handling. Do not ingest or inhale. Do not allow product to be in contact with food or drink.

INCOMPATIBLE CHEMICALS AND PRODUCTS: Strong chemical oxidizing and reducing agents, strong alkalis and acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

THRESHOLD LIMIT VALUE: None Assigned

OSHA PERMISSIBLE EXPOSURE LIMIT: None Assigned

EFFECTS OF OVEREXPOSURE: *ACUTE:* None Known

CHRONIC: None Known

EYE PROTECTION: Safety glasses or safety goggles.

RESPIRATORY PROTECTION: Maintain good ventilation. Use nuisance dust mask to avoid breathing particles generated from use of foil.

The hot stamping foil is bound within a polymer matrix. The following refer to the following unbound pigment and filler particles:

	ACGIH TLV	OSHA PEL
Titanium Dioxide	TWA: 10mg/m ³	TWA: 15mg/m ³
Carbon Black	TWA: 3 mg/m ³	TWA: 3.5 mg/m ³
Talc (not containing asbestos)	TWA: 2mg/m ³	TWA: 0.1mg/m ³

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

VISCOSITY: Not Applicable

MELTING OR FREEZING POINT: Not Applicable

BOILING POINT: Not Applicable

ODOR/ODOR THRESHOLD: No data available.

VAPOR PRESSURE (mm Hg): Not Applicable

VAPOR DENSITY (AIR=1): Not Applicable

SOLUBILITY IN WATER: Negligible

PERCENT VOLATILE (BY WEIGHT): Not Applicable

EVAPORATION RATE: Not Applicable

pH: No data available.

RELATIVE DENSITY: No data available.

DECOMPOSITION TEMPERATURE: No data available.

FLASH POINT: Not Known

FLAMMABLE LIMITS: *LOWER EXPLOSION LIMIT %:* Not Known

UPPER EXPLOSION LIMIT %: Not Known

AUTO IGNITION TEMPERATURE: Not Known

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under recommended handling and storage conditions (refer to section 7).

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen cyanide, ammonia, carbon dioxide, carbon monoxide, nitrous oxides and other oxides may be released under extreme conditions. Hydrogen sulfide may be released under acidic conditions.

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Extreme temperatures, strong chemical oxidizing and reducing agents, strong alkalis and acids. Avoid flammable environments as the film may contain static charges.

SECTION 11: TOXICOLOGICAL INFORMATION

The hot stamping foil is bound within a polymer matrix. The following refer to unbound pigment and filler particles: Causes damage to organs through prolonged or repeated exposure to particulates or powder.

	Oral LD50 (Rat)	IARC carcinogen
Titanium Dioxide	10000 mg/kg	2B
Carbon Black	>8000 mg/kg	2B
Talc		2B, 3

Carcinogenicity: International Agency for Research on Cancer (IARC)

Group 2B: possibly carcinogenic to humans.

Group 3: Not classifiable as to carcinogenicity to humans.

SECTION 12: ECOLOGICAL INFORMATION

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with local, state, federal, and international regulations.

SECTION 14: TRANSPORT INFORMATION

None assigned.

SECTION 15: REGULATORY INFORMATION

US TOXIC SUBSTANCES CONTROL ACT INVENTORY

Titanium Dioxide (13463-67-7), Carbon Black (1333-86-4), Talc (14807-96-6)

CALIFORNIA PROPOSITION 65 CHEMICAL CAUSING REPRODUCTIVE TOXICITY: Trace quantities of toluene (108-88-3) may be present.

SECTION 16: OTHER INFORMATION

The data set forth in this sheet relates only to the specific products manufactured by Custom Foils Company and may not be valid for such material used in combination with any other materials or in any process. The data set forth herein is based on information that we have on file provided by the manufacturers and suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. Information sources and interpretations are subject to change, and although we make the effort to ensure our data is current, CWC Industries, Inc. and Custom Foils Company cannot guarantee the accuracy or completeness of our information sources that we used to report the information above. We believe the safety, health, and environmental data on this sheet to be reliable and accurate. However, at any time Custom Foils Company reserves the right to alter this Safety Data Sheet without notice, as additional information may become available from regulatory agencies, raw material manufacturers, and/or suppliers. CWC Industries, Inc. and Custom Foils Company make no representation, warranty or guarantee with respect to the accuracy, reliability or completeness of the information above for the material either upon use or after use. Our products have not been approved or disapproved for internal or external, direct or indirect, bodily, food, or medical type applications. It is the purchaser's and user's continual responsibility to satisfy themselves as to the ongoing up-to-date suitability and completeness of such information for their own particular use, the protection of the environment, the health and safety of their employees, and the downstream consumers of their products. In addition, the user of this product must decide what safety measures are necessary to safely use this product. We do not accept liability for any loss or damage that may occur from the use of the information contained herein. CWC Industries, Inc. and Custom Foils Company do not guarantee favorable results, and assume no liability in connection with the use of our products. CWC Industries, Inc.'s and Custom Foils Company's products are intended for use by persons having technical skill and knowledge, at their own discretion and risk.

DATE MODIFIED: September 16, 2022

SUPERSEDES: ALL PREVIOUS