DPM 110- Epoxy Topcoat Flat
7803

MAR 17 1988

MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS, AND RELATED MATERIALS
REPLACES NPCA 1-82

MANUFACTURER'S NAME
Crown Metro Aerospace Coatings, Inc.
P. O. Box 5695
Greenville, S. C. 29606

EMERGENCY TELEPHONE NO.
803-277-1870

DATE OF PREPARATION

INFORMATION TELEPHONE NO.
803-277-1870

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER 16-F2-90 (BASE) / EC-123 (CURING SOLUTION) Mix Ratio: 1 to 1 By Volume

PRODUCT NAME Flat Black Enamel, DN-7803

PRODUCT CLASS Epoxy

Specification: DPM 110

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT (WEIGHT)	OCCUPATIONAL EXPOSURE LIMITS TLV (ppm) PEL	VAPOR PRESS mm.Hg @ 21
Base Component:			
Epoxy Resin	<15	NE	NA
Carbon Black	< 5	3.5 mg./cu.m.(respirable dust)	NA
Talc	<15	2 mg./cu.m.(respirable dust)	NA
Xylene	< 5	100	21
Methyl Ethyl Ketone	< 5	200	75
2 Ethoxyethylacetate	<15	10	2
2 Butoxyethanol	< 5	25	.5
Curing Solution:			
Organic Amine Complex	< 5	NE	NA
Toluene	<10	100	22
Xylene	<15	100	21
n Butyl Alcohol	<10	50	5.5
Methyl Ethyl Ketone	< 5	200	75
Methyl Isobutyl Ketone	< 5	100	40
2 Butyoxyethanol	< 5	25	.5

NA = Not Applicable NE = Not Established

SECTION III - PHYSICAL DATA

BOILING RANGE 170°F-340°F VAPOR DENSITY ☒HEAVIER ☐LIGHTER THAN AIR
EVAPORATION RATE ☐FASTER ☒SLOWER THAN ETHER 65% VOLATILE VOLUME 8.75Gal WT/GAL

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION OSHA Class IB FLASH POINT 23° TCCLEL 1.
DOT Paint, Flammable Liquid, (UN1263)

EXTINGUISHING MEDIA:
☒ FOAM ☒ ALCOHOL" FOAM ☒ CO2 ☒ DRY CHEMICAL ☒ WATER FOG ☐ OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. Self contained breathing apparatus should be worn by firefighters. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIREFIGHTING PROCEDURES: Water spray may be ineffective. If water is used, fog nozzles are preferred. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Can cause irritation to skin, eyes, and respiratory tract. Symptoms may be watering of eyes, dryness of throat, coughing, headache, tightness in chest or burning sensation. Allergic reactions may occur in some individuals. Headache, dizziness or nausea may be experienced by some as a result of exposure to solvents.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Persons with asthmatic type conditions, chronic bronchitis or other chronic respiratory diseases or recurrent skin eczema or sensitization should be excluded from working with this product.

PRIMARY ROUTE(S) OF ENTRY: ☒ DERMAL ☒ INHALATION ☐ INGESTION

EMERGENCY AND FIRST AID PROCEDURES: Eye Contact: Flush with water for 15 minutes. Consult physician. Skin Contact: Wash affected area with soap and water. Remove contaminated clothing. Consult physician. Inhalation: Remove to fresh air. Consult physician. Ingestion: Drink water to dilute. Do not induce vomiting. Consult physician.

SECTION VI - REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE

HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR
HAZARDOUS DECOMPOSITION PRODUCTS By Fire - CO, CO_2, nitrogen oxides and aldehydes or acids from incomplete combustion.
CONDITIONS TO AVOID: Temperatures above maximum storage temperature. Avoid exposure to heat, sparks, or open flames.

INCOMPATIBILITY (MATERIALS TO AVOID)

Avoid contact with strong oxidizing agents.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate non essential personnel. Remove all sources of ignition (sparks, flames, hot surfaces). Ventilate the area. Equip clean up crew with self contained breathing apparatus. Dike spill. Cover with sawdust, vermiculite, Fuller's earth. Collect material in open containers.

WASTE DISPOSAL METHOD

Conform to federal, state, and local regulations. Empty containers must be handled carefully due to product residue and flammable solvent vapor.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: In outdoor or open areas use NIOSH approved mechanical filter respirator. In restricted ventilation areas, use NIOSH approved chemical/mechanical filters to remove vapor and particulates. In confined areas use NIOSH approved air line type respirators or hoods.

VENTILATION: Must be sufficient in volume and pattern to keep contaminant concentration below TLV (NIOSH) or PEL (OSHA).

PROTECTIVE GLOVES: Required, butyl rubber recommended.

EYE PROTECTION: Required. Use goggles, face shields or safety eyewear with sideshields.

OTHER PROTECTIVE EQUIPMENT: Protective creams where skin contact is likely.

HYGIENIC PRACTICES: Wash hands before eating or using bathroom. Remove and wash contaminated clothing before reuse. Wear chemical resistant boots.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 100°F. Store large quantities only in buildings designed to comply with OSHA 1910.106. Keep containers closed and upright to prevent leakage. Do not store or use near heat, sparks, or flames.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with vapor or spray mist during application or curing.

CROWN METRO

AEROSPACE COATINGS, INC.

P.O. BOX 5695 • ECHELON ROAD • DONALDSON CENTER
GREENVILLE, SC 29606
803/277-1870 • TELEX 805113
FAX 803 277-3244

INVOICE
No. 51780
DATE: 03/09/88

70409-20 DOUGLAS AIRCRAFT COMPANY
ATTN: ACCOUNTS PAYABLE
P. O. BOX 2731
SOLD TO: LONG BEACH CA 90801

SHIPPED TO: DOUGLAS AIRCRAFT COMPANY
2900 E. COVER ROAD
GATE #5
LONG BEACH CA 90846

CUSTOMER ORDER NO.	CM SALES ORDER NO.	DATE SHIPPED	SHIPPED VIA	F.O.B.	TERMS	SALESMAN
70920-74971-26	50748-00	3/09/88	ROADWAY	DELIVERED	1% 10 NET 30	JH JIM HANLON

ITEM NO.	CM NO.	UNIT	QUANTITY ORDERED	QUANTITY SHIPPED	DESCRIPTION	UNIT PRICE	AMOUNT
1	75180	2 QUART KIT	100	100.0	14-F2-90 EPOXY TOPCOAT FLAT	9.8800	988.00
					EC-123 CURING SOLUTION		
					DPM 110 DN7803,BAC-701,595-37038 BLACK		
					ITEM #26		
					INVOICE TOTAL		988.00

POSTED

Failure to comply with terms of Payment will result in a Penalty charge at the rate of 2% per month, 24% per annum.
WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7 AND 12 OF THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF.

PLEASE READ CROWN METRO AEROSPACE COATINGS, INC.'S TERMS & CONDITIONS OF SALE ON THE REVERSE SIDE OF THIS FORM.

CUSTOMER'S FILE COPY

BOE-C6-0208143

MAR 17 1988

CROWN METRO

AEROSPACE COATINGS, INC.

P.O. BOX 5695 • ECHELON ROAD • DONALDSON CENTER
GREENVILLE, SC 29606
803/277-1870 • TELEX 805113
FAX 803 277-3244

INVOICE
No. 51603
DATE: 03/09/88

70409-20

SOLD TO:
DOUGLAS AIRCRAFT COMPANY
ATTN: ACCOUNTS PAYABLE
P. O. BOX 2731
LONG BEACH CA 90801

SHIPPED TO:
DOUGLAS AIRCRAFT COMPANY
2900 E. COVER ROAD
GATE 45
LONG BEACH CA 90846

CUSTOMER ORDER NO.	CM SALES ORDER NO.	DATE SHIPPED	SHIPPED VIA	F.O.B.	TERMS	SALESMAN
70920-81021-26	51712-00	3/09/88	ROADWAY	DELIVERED	1% 10 NET 30	JH JIM HANLON

ITEM NO.	CM NO.	UNIT	QUANTITY ORDERED	QUANTITY SHIPPED	DESCRIPTION	UNIT PRICE	AMOUNT
1	75180	2 QUART KIT	410	100.0	16-F2-90 EPOXY TOPCOAT FLAT	9.8800	988.00
					EC-123 CURING SOLUTION		
					DPM 110 DN7803,BAC-701,595-37038 BLACK		
					ITEM NO. 26		
					INVOICE TOTAL		988.00
					BACK ORDER TO FOLLOW		

POSTED

Failure to comply with terms of Payment will result in a Penalty charge at the rate of 2% per month, 24% per annum.
WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7 AND 12 OF THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF.

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