JAN 15 1982

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

JAN 15 1982

MATERIAL SAFETY DATA SHEET

DPM 392

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

SECTION I

Fluid, Hydraulic, Petroleum Base

MANUFACTURER'S NAME: BRAY OIL COMPANY	EMERGENCY TELEPHONE NO.
ADDRESS (Number, Street, City, State, and ZIP Code): 1925 N. Marianna Ave., Los Angeles, California 90032	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS: Brayco 783C
CHEMICAL FAMILY: Hydraulic Fluid	FORMULA

SECTION II - HAZARDOUS INGREDIENTS

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 Hazardous		

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	>500°F.	SPECIFIC GRAVITY (H_2O=1)	.873
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT, VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (=1)	N/A
SOLUBILITY IN WATER	Insol.		
APPEARANCE AND ODOR	Red clear liquid, petroleum odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	COC = 215°F.	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	CO_2, Foam, Dry Chemical			
SPECIAL FIRE FIGHTING PROCEDURES	Normal Petroleum Oil Fire Fighting procedures			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

(Continued on reverse side)

BOE-C6-0208850

THRESHOLD LIMIT VALUE	
EFFECTS OF OVEREXPOSURE	This material is not expected to be a primary skin or eye irritant; however, avoid overexposure.
EMERGENCY AND FIRST AID PROCEDURES	Skin - flush thoroughly with soap and water. Eyes - flush with water. Internal - induce vomiting; call a doctor.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATABILITY *(Materials to avoid)*	N/A		
HAZARDOUS DECOMPOSITION PRODUCTS	N/A		
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Handle as Petroleum Oil spill.
WASTE DISPOSAL METHOD	Normal Petroleum Oil clean-up and disposal.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*			
VENTILATION	LOCAL EXHAUST		SPECIAL
	MECHANICAL *(General)*	X	OTHER
PROTECTIVE GLOVES	Plastic or Rubber	EYE PROTECTION	Safety Glasses recommended.
OTHER PROTECTIVE EQUIPMENT	Barrier creams for individuals with sensitive skin.		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Normal for Petroleum Lubricants.
OTHER PRECAUTIONS	

GPO 934-110

Form OSHA-20
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BRAY OIL COMPANY
1925 NORTH MARIANNA AVENUE
LOS ANGELES, CALIFORNIA 90032
(213) 268-6171

CABLE ADDRESS
BRAYOIL LOSANGELES

November 18, 1977

Mr. M. J. Veneroso,
Dept. C1-726 (52-11)
Materials Handling & Packaging Engineering
Douglas Aircraft Company
3855 Lakewood Boulevard
Long Beach, CA 90846

Dear Mr. Veneroso:

We received your letter requesting information on material regulations on our products. We are sending you Safety Data Sheets on the products. The only products that would be regulated are:

BRAYCOTE 103 - IATA Article No. 1939
Flash Point, Tag closed cup, 100°F — DPM 667

BRAYCOTE 137 - IATA Article No. 1939
Flash Point, Tag closed cup, 105 °F — DPM 5573

If you need any further information, please contact us.

Yours very truly,

BRAY OIL COMPANY, INC.

Mike Slaby

Mike Slaby

MS:cmw

Encls.