PRODUCT DESIGNATION

NARMCO 154 A&B

MATERIAL SAFETY DATA SHEET

FEB 08 1982

DPM 5357-1

SECTION I SOURCE AND NOMENCLATURE

MANUFACTURER'S NAME NARMCO MATERIALS, INC.	EMERGENCY TELEPHONE NO. (714) 548-1144
ADDRESS (Number, Street, City, State, ZIP Code) A SUBSIDIARY OF CELANESE CORPORATION 600 VICTORIA STREET • COSTA MESA, CALIFORNIA 92627	
TRADE NAME AND SYNONYMS NARMCO 154 A&B	CHEMICAL FAMILY EPOXY
CHEMICAL NAME AND SYNONYMS	FORMULA

SECTION II INGREDIENTS

BASIC MATERIAL	APPROXIMATE OR MAXIMUM % WT. OR VOL.	ESTABLISHED OSHA STANDARD	LD 50		LC 50	
			ORAL	PERCUT.	SPECIES	CONC.
Narmco 154 Part A						
Epoxy Resins	75					
Glass Microballoons	25					
Narmco 154 Part B						
Amine Hardeners	55					
Antimony Trioxide	5					
Glass Microballoons	40					

SECTION III PHYSICAL DATA

BOILING POINT °F.	VAPOR PRESSURE mm Hg.
MELTING POINT °F.	VAPOR DENSITY (Air=1)
SPECIFIC GRAVITY (H_2O=1)	EVAPORATION RATE (=1)
SOLUBILITY IN WATER Pts/100 pts H_2O	VOLATILE % Vol. % Wt.
APPEARANCE AND ODOR 154A--100% SOLIDS PASTE 154B--100% SOLIDS AMINE ODOR	

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT METHOD USED 154A > 400°F	ASTM METHOD D1310	FLAMMABLE (EXPLOSIVE) LIMITS	UPPER / LOWER
EXTINGUISHING MEDIA	WATER, CO_2, OR DRY CHEMICALS		
SPECIAL FIRE FIGHTING PROCEDURES	NONE		
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE		

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Y ATION	NARMCO 154 A&B

SECTION V HEALTH HAZARD DATA

	UNKNOWN	CARCINOGENIC	NONE KNOWN
AL ROUTES ORPTION	SKIN	SKIN AND EYE IRRITATION	Eye Contact: Wash well with water. Call Physician. Skin Contact: Normally, there is no problem, but it is possible that some people might become irritated by contact of the material with the skin and normal skin creams should be used if this occurs.
NT SYMPTOMS SURE	IRRITATION OF SKIN		
S OF C EXPOSURE	PROBABLY DERMATITIS		
NCY AND D URES	PART B--NO KNOWN ANTIDOTE. INDUCE VOMITING IF MATERIAL IS SWALLOWED.		

SECTION VI REACTIVITY DATA

IONS CONTRIBUTING ABILITY	154A -- Keep away from amines. 154B -- Keep away from epoxies or isocyanates.
IONS CONTRIBUTING ARDOUS POLYMERIZATION	
ATIBILITY to Avoid)	154A-- Amines. 154B--Epoxies or isocyanates.
DOUS DECOMPOSITION CTS	

SECTION VII SPILL OR LEAK PROCEDURES

O BE TAKEN IN ATERIAL IS ED OR SPILLED	SOAK UP IN ABSORBENT MATERIAL & DELIVER TO LAND FILL AREA.
DISPOSAL D	DELIVER TO LANDFILL AREA

SECTION VIII SPECIAL PROTECTION INFORMATION

ATION REQUIREMENTS EXHAUST	GOOD VENTILATION	PROTECTIVE EQUIPMENT (Specify Type) EYE	YES
NICAL (General)		GLOVES	YES
L		RESPIRATOR	YES--ORGANIC FOR PART B
PROTECTIVE IENT			

SECTION IX SPECIAL PRECAUTIONS

UTIONS TO BE IN HANDLING ORAGE	PRACTICE GOOD CAUTION & PERSONAL CLEANLINESS TO AVOID EYE AND SKIN CONTACT.
PRECAUTIONS	

N. B. Sunshine, Manager--R&D
6-30-77

Address NARMCO MATERIALS, INC.
A Subsidiary Of Celanese Corporation
Wayne, New Jersey 07470 (201) 694-1700

BOE-C6-0202388

NARMCO MATERIALS, INC.

A SUBSIDIARY OF
CELANESE CORPORATION

January 30, 1978
NBS-78-200

(FM)

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

Ref: C1-725-14

Dear Mr. Veneroso:

DPM 5357-1

1. DOT Proper Shipping Name per Section 172.101, 49 CFR - 154 A & B non-regulated

DPM 2299

2. DOT Hazard Classification per Section 172.101, 49 CFR - 2030-85 is regulated
   a. Acetone
   b. Flammable liquid

3. Flash Point and Closed Cup method per Section 173.115, 49 CFR - check safety data sheet.

4. IATA Article Number - #1

Very truly yours,

N. B. Sunshine

N. B. Sunshine
Manager, R&D

NBS/dm

encl.

BOE-C6-0202389