MCDONNELL DOUGLAS CORPORATION

U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS

FORM NO OSHA-20 (MODIFIED)
MAY 1971

DPM
MDC CONTROL NO. 2389

MATERIAL SAFETY DATA SHEET

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Chem Seal Corporation	EMERGENCY TELEPHONE NO.: 213-982-1650
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE): 11120 Sherman Way, Sun Valley, California 91352	
CHEMICAL NAME AND SYNONYMS: CS 7707 (Clear) (Yellow)	TRADE NAME AND SYNONYMS: None
CHEMICAL FAMILY: Nylon	FORMULA: Not applicable

SECTION II: HAZARDOUS INGREDIENTS*

PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS	0	-	BASE METAL		
CATALYST: Triethylnol Amine	0.5	25 ppm	ALLOYS		
VEHICLE: Nylon Polymer	14	71,000 ppm	METALLIC COATINGS		
SOLVENTS: Ethanol	83	1,000 ppm	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES: Phenolic Polymer	3	50 ppm	OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*	%	TLV (UNITS)

SECTION III: PHYSICAL DATA

BOILING POINT (°F)	175°F	SPECIFIC GRAVITY (H_2O = 1)	0.89
VAPOR PRESSURE (mm Hg.)	600 mm	PERCENT VOLATILE BY VOLUME (%)	85%
VAPOR DENSITY (AIR = 1)	1.5	EVAPORATION RATE (water = 1)	5.2
SOLUBILITY IN WATER	miscible		

APPEARANCE AND ODOR: Translucent liquid, sharp odor

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Open cup - 75°F	FLAMMABLE LIMITS	LEL 92.5%	UEL 4.3%

EXTINGUISHING MEDIA

SPECIAL FIRE FIGHTING PROCEDURES
Use foam or CO_2 Extinguishers

UNUSUAL FIRE AND EXPLOSION HAZARDS
None

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES. USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

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SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
1,000 ppm

EFFECTS OF OVEREXPOSURE
Headaches and respratory irritation

EMERGENCY AND FIRST AID PROCEDURES
Fresh air

SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (MATERIALS TO AVOID)

HAZARDOUS DECOMPOSITION PRODUCTS

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
Ordinary precautions for a flammable material

WASTE DISPOSAL METHOD

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)
None

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (GENERAL)	OTHER

PROTECTIVE GLOVES

EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
No special precautions

OTHER PRECAUTIONS

Ray Herzman
PREPARED BY

Nov. 19, 1973
DATE