

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: 595B-10055-A HMIS CODES: H F R P
2 3 0 G

PRODUCT NAME: MIL-PRF-22750F (HIGH SOLIDS EPOXY TOPCOAT)
Fed. Std. 595B Color 10055 Brown, Gloss
PART A

MANUFACTURER: TORGINOL, INC.
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NAME OF PREPARER: TORGINOL, INC. DATE REVISED: JANUARY, 2009

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	OCCUPATION EXPOSURE LIMITS			WEIGHT
			ACGIH TLV	VAPOR PRESSURE		
EPICHLOROHYDRIN, BISPHENOL A	25085-38-6	N/E	N/E	N/E	N/E	60-70%
ALKYL C12-C14 GLYCIDYL ETHER	68609-97-2	N/E	N/E	N/E	N/E	4-7%
LIMESTONE	1317-65-3	10 MG/M3	10 MG/M3	N/E	N/E	13-16%
STEARIC ACID	57-11-4	N/E	10 MG/M3	N/E	N/E	<1%
SILICA, QUARTZ	14808-60-7	0.5 MG/M3	0.5 MG/M3	N/E	N/E	<1%
ETHYLBENZENE	100-41-4	100 PPM	125 PPM	7.1 @ 68°F	N/E	<1%
OXIRANE, POLYALKYLENE GLYCOL	9038-95-3	N/E	N/E	N/E	N/E	<1%
2,6-DIMETHYL-4-HEPTANONE	108-83-8	50 PPM	25 PPM	N/E	N/E	<1%
4,6-DIMETHYL-2-HEPTANONE	19549-80-5	50 PPM	25 PPM	N/E	N/E	<1%
QUARTZ	14808-60-7	0.5 MG/M3	0.5 MG/M3	N/E	N/E	<1%
METHYL NORMAL AMYL KETONE	110-43-0	100 PPM	233 PPM	2.1 @ 68°F	N/E	2-4%
METHYL PROPYL KETONE (2-HEPTANONE)	107-87-9	250 PPM	220 PPM	28 @ 81°F	N/E	4-6%
METHYL ISOBUTYL KETONE	108-10-1	50 PPM	75 PPM	1.9 @ 68°F	N/E	<1%
XYLENE	1330-20-7	110 PPM	150 PPM	8 @ 68°F	N/E	<1%
2-PHENOXYETHANOL	122-99-6	N/E	N/E	N/E	N/E	<1%
ETHYLBENZENE	100-41-4	100 PPM	125 PPM	7.1 @ 68°F	N/E	<1%
2-ETHANOL	104-68-7	N/E	N/E	43.9 @ 68°F	N/E	<1%
2-BUTOXYETHANOL	111-76-2	50 PPM	25 PPM	N/E	N/E	<1%
ETHYL ALCOHOL	64-17-5	1,000 PPM	1,000 PPM	N/E	N/E	<1%
1-METHOXY-2-PROPANOL ACETATE	108-65-6	N/E	N/E	N/E	N/E	<1%
CARBON BLACK PIGMENT	1333-86-4	3.5 MG/M3	3.5 MG/M3	1 @ 88°F	N/E	<1%
PYRAZOLONE ORANGE PIGMENT	3520-72-7	N/E	N/E	N/E	N/E	<1%
ORGANIC YELLOW PIGMENT	12225-18-2	N/E	N/E	N/E	N/E	<1%

THE ABOVE LISTED PRODUCTS ARE ON THE TSCA INVENTORY LIST. ALSO ANY UNLISTED INGREDIENTS.

N/E = NOT ESTABLISHED

SECTION 3 - HAZARDS IDENTIFICATION

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY CAUSE DIFFICULTY OF BREATHING, DIZZINESS AND HEADACHES. IF OVERCOME BY VAPOR, MOVE VICTIM TO FRESH AIR. IF BREATHING IS IRREGULAR OR HAS STOPPED, START RESUSCITATION, ADMINISTER OXYGEN AND CALL FOR PROMPT MEDICAL ATTENTION.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYE CONTACT: IRRITATING AND MAY INJURE EYE TISSUE IF NOT REMOVED PROMPTLY. IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN CONTACT: MAY IRRITATE AND CAUSE DERMATITIS. WASH SKIN THOROUGHLY WITH SOAP AND WATER AND REMOVE ANY CONTAMINATED CLOTHING. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

OBTAIN IMMEDIATE MEDICAL ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)

AS A PRECAUTION: EXPOSURE TO LIQUIDS, VAPORS, MISTS OR FUMES SHOULD BE MINIMIZED. MEDICAL CONDITIONS THAT COULD BE AGGRAVATED BY EXPOSURE INCLUDE RESPIRATORY DISORDERS AND SKIN ALLERGIES. POTENTIAL FOR NERVOUS SYSTEM, KIDNEY OR LIVER DAMAGE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

DIZZINESS, HEADACHES, RESPIRATORY DISORDERS AND DERMATITIS.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE: MOVE PERSON TO FRESH AIR. IF BREATHING STOPS, APPLY ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION. EYE CONTACT: FLUSH WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER AND SE

SECTION 4 - FIRST AID MEASURES

EYES: FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE RE-USE.

INHALATION: IF AFFECTED, REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET.

INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 46°F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.90% **UPPER:** 16.00%

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR FIRE FIGHTERS. COOL FIRE EXPOSED CONTAINERS WITH WATER. FLASHBACK ALONG VAPOR TRAIL MAY OCCUR. VAPOR MAY EXPLODE IF IGNITED IN AN ENCLOSED AREA.

UNUSUAL FIRE AND EXPLOSION HAZARDS

KEEP PRODUCT AWAY FROM IGNITION SOURCES SUCH AS HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY AND OPEN FLAMES.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE ALL SOURCES OF IGNITION. VENTILATE THE AREA. REMOVE WITH INERT ABSORBENT.

SECTION 7 - HANDLING & STORAGE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ELIMINATE ALL IGNITION SOURCES. KEEP PEOPLE AWAY. STOP LEAK. DIKE AND CONTAIN SPILL, KEEPING PRODUCT OUT OF SEWERS AND WATERCOURSES. RECOVER FREE PRODUCT. ABSORB WITH SUITABLE MATERIAL. VENTILATE CONFINED SPACES.

WASTE DISPOSAL METHOD

OBSERVE PRECAUTIONS FOR VOLATILE FLAMMABLE VAPORS FROM ABSORBED MATERIAL. ASSURE CONFORMITY AND APPLICABLE GOVERNMENT REGULATIONS. CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY TO DISPOSAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. DO NOT TRANSFER MATERIAL TO UNMARKED CONTAINERS. MINIMIZE BREATHING VAPORS AND SKIN CONTACT.

OTHER PRECAUTIONS

EMPTY CONTAINERS: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTY CONTAINERS RETAIN PRODUCT RESIDUES, ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED. DISPOSAL OF CONTAINERS: ALL CONTAINERS SHOULD BE DISPOSED OF

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION

WHERE CONCENTRATIONS IN AIR EXCEED EXPOSURE GUIDELINES USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE AND DUST FILTER. USE SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS.

VENTILATION

USE ONLY WITH VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMITS AND BUILD-UP OF EXPLOSIVE CONCENTRATIONS OF VAPORS IN AIR. USE EXPLOSION-PROOF EQUIPMENT AND GROUND CONTAINERS. NO SMOKING OR OPEN LIGHTS.

PROTECTIVE GLOVES

IMPERMEABLE CHEMICAL HANDLING GLOVES FOR SKIN PROTECTION.

EYE PROTECTION

USE CHEMICAL SAFETY GLASSES WITH SIDE SHIELDS FOR EYE PROTECTION.

OTHER PROTECTIVE CLOTHING AND EQUIPMENT

WEAR FULL BODY PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

WORK/HYGIENIC PRACTICES

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

SECTION 9 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE:	175° TO 415° F	SOLUBILITY IN WATER:	NON-SOLUBLE
VAPOR DENSITY:	HEAVIER THAN AIR	APPEARANCE & ODOR:	LIQUID
COATING VOC:	<2.5 LB/GAL (<300 G/L)	SPECIFIC GRAVITY (H₂O=1):	1.5
MATERIAL VOC:	<2.5 LB/GAL (<300 G/L)	EVAPORATION RATE:	SLOWER THAN ETHER

SECTION 10 - STABILITY & REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID:

REACTION WITH EPOXY RESIN CURING AGENTS MAY PRODUCE CONSIDERABLE HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG OXIDANTS

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

INCLUDING CARBON MONOXIDE, CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11 - TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

NO INGREDIENT IN THIS PRODUCT IS AN IARC, NTP, ORSHA LISTED CARCINOGEN.

PROLONGED OVEREXPOSURE TO SOLVENT INGREDIENTS IN SECTION 2 MAY CAUSE ADVERSE EFFECTS TO THE NERVOUS SYSTEM, LIVER AND URINARY SYSTEMS.

RATS EXPOSED TO TITANIUM DIOXIDE DUST AT 250 MG/M3 DEVELOPED LUNG CANCER, HOWEVER, SUCH EXPOSURE LEVELS ARE NOT ATTAINABLE IN THE WORKPLACE.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

NO DATA AVAILABLE.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

WASTE FROM THIS PRODUCT MAY BE HAZARDOUS AS DEFINED UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) 40 CFR 261. WASTE MUST BE TESTED FOR IGNITABILITY TO DETERMINE THE APPLICABLE EPA HAZARDOUS WASTE NUMBERS. INCINERATE IN APPROVED FACILITY. DO N

SECTION 14 - TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME:	PAINT	PACKING GROUP:	II
DOT TECHNICAL NAME:	N/A	HAZARD SUBCLASS:	N/A
DOT HAZARD CLASS:	FLAMMABLE LIQUID 3	RESP. GUIDE PAGE:	N/A
DOT UN/NA NUMBER:	UN-1263		

SECTION 15 - REGULATORY INFORMATION

CERLA - SARA HAZARD CATEGORY

THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA 'HAZARD CATEGORIES' PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING

SARA SECTION 313

CHEMICAL NAME	CAS NUMBER	WEIGHT
EPICHLOROHYDRIN, BISPHENOL A	25085-38-6	60-70%
ALKYL C12-C14 GLYCIDYL ETHER	68609-97-2	4-7%
LIMESTONE	1317-65-3	13-16%
STEARIC ACID	57-11-4	<1%
SILICA, QUARTZ	14808-60-7	<1%
ETHYLBENZENE	100-41-4	<1%
OXIRANE, POLYALKYLENE GLYCOL	9038-95-3	<1%
2,6-DIMETHYL-4-HEPTANONE	108-83-8	<1%
4,6-DIMETHYL-2-HEPTANONE	19549-80-5	<1%
QUARTZ	14808-60-7	<1%
METHYL ISOBUTYL KETONE	108-10-1	<1%
XYLENE	1330-20-7	<1%
2-PHENOXYETHANOL	122-99-6	<1%
ETHYLBENZENE	1330-20-7	<1%
2-ETHANOL	104-68-7	<1%
2-BUTOXYETHANOL	111-76-2	<1%
ETHYL ALCOHOL	64-17-5	<1%
1-METHOXY-2-PROPANOL ACETATE	108-65-6	<1%
ETHYL ALCOHOL	64-17-5	<1%
1-METHOXY-2-PROPANOL ACETATE	108-65-6	<1%
CARBON BLACK PIGMENT	1333-86-4	<1%
PYRAZOLONE ORANGE PIGMENT	3520-72-7	<1%
ORGANIC YELLOW PIGMENT	12225-18-2	<1%

TOXIC SUBSTANCES CONTROL ACT (TSCA)

ALL CHEMICALS IN THIS PRODUCT ARE LISTED, OR ARE EXEMPT FROM LISTING, ON THE TSCA INVENTORY.

CALIFORNIA PROPOSITION 65

WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND/OR OTHER REPRODUCTIVE HARM.

TSCA CERTIFICATION

ALL CHEMICALS IN THIS PRODUCT ARE LISTED, OR ARE EXEMPT FROM LISTING, ON THE TSCA INVENTORY.

SECTION 16 - OTHER INFORMATION

THE ABOVE INFORMATION PERTAINS TO THIS PRODUCT AS CURRENTLY FORMULATED, AND IS BASED ON THE INFORMATION AVAILABLE AT THIS TIME. ADDITION OF REDUCERS OR OTHER ADDITIVES TO THIS PRODUCT MAY SUBSTANTIALLY ALTER THE COMPOSITION AND HAZARDS OF THE PRODUCT. S