

MATERIAL SAFETY DATA SHEET

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EMERGENCY PHONE: 330/455-5125
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SECTION I - PRODUCT IDENTIFICATION

OIL MODIFIED URETHANE FINISH - 197-1040-LV

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. %	(TLV-TWA)	OCCUPATIONAL EXPOSURE LIMITS (TLV-STEL)	(PEL)	VAPOR PRESSURE mmHg 20C	KNOWN OR SUSPECTED CARCINOGEN	SEC 313
PARA-CHLOROBENZOTRIFLUORIDE	98-56-6	<30	25 PPM (SUGG)	NE	25 PPM (SUGG)	5.3	NO	NO
TERTIARY BUTYL ACETATE	540-88-5	<25	200 PPM	NA	200 PPM	34	NO	NO
MINERAL SPIRITS	8052-41-3	<25	100 PPM	100 PPM	100 PPM	2.0	NO	NO

THIS PRODUCT CONTAINS NO KNOWN MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND THE COMMUNITY RIGHT TO KNOW ACTS OF 1986 AND OF CFR372.

SECTION III - PHYSICAL DATA

Boiling Range:	208-383 F	Vapor Density:	Is heavier than air
Odor:	Solvent	Evaporation Rate:	Is slower than ether
Appearance:	Amber Liquid	Solubility:	None
Volatile by Weight:	66%	Product Density:	8.2 lbs./gal. (U.S.)
Volatile by Volume:	67%	VOC (calculated)	<350 g/l

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA - FLAMMABLE LIQUID - CLASS IB
DOT - FLAMMABLE LIQUID

FLASH POINT: 58 F. LEL: 0.7%
(SETAFLASH) UEL: 6.9%

EXTINGUISHING MEDIA: DRY CHEMICAL CARBON DIOXIDE FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. WATER MAY BE USED TO COOL CLOSED CONTAINERS, NOT INVOLVED IN THE FIRE ITSELF, TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. VAPORS CONCENTRATED IN A CONFINED OR POORLY VENTILATED AREA CAN BE IGNITED UPON CONTACT WITH A HIGH ENERGY SPARK, FLAME OR HIGH INTENSITY SOURCE OF HEAT.

SPECIAL FIRE FIGHTING PROCEDURES: TREAT AS A CLASS B FIRE. DO NOT USE DIRECT WATER STREAM. PRODUCT MAY FLOAT ON SURFACE. IF IGNITED WILL SPREAD FIRE RAPIDLY. FIRE FIGHTERS SHOULD WEAR NIOSH/OSHA APPROVED PRESSURE DEMAND, SELF CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE CLOTHING. SPILL WILL MAKE SURFACE SLIPPERY - EXERCISE DUE CAUTION. VAPORS ARE VOLATILE AND HEAVIER THAN AIR. THEY WILL TEND TO COLLECT IN LOW LYING AREAS.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE: EYES: IRRITATION, BLURRED VISION, BURNING. SKIN: PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN IRRITATION, SENSITIZATION AND DERMITITIS. **INGESTION:** MAY CAUSE NAUSEA, DIARRHEA, AND VOMITING. **INHALATION:** MAY RESULT IN DIZZINESS, HEADACHE, BLURRED VISION OR UNCONSCIOUSNESS. NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. EXPOSURE TO FLUORIDE COMPOUNDS CAN RESULT IN SYSTEMIC TOXIC EFFECTS ON THE HEART, LIVER, AND KIDNEYS. CHRONIC INHALATION OR INGESTION MAY CAUSE FLUORIDE POISONING INCLUDING WEAKNESS, ANEMIA, BRITTLE BONES, AND STIFF JOINTS.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: PRE-EXISTING SENSITIVITY TO SOLVENTS CAN CAUSE A HEIGHTENED REACTION BY EXPOSURE TO THIS PRODUCT. ALLERGY AND SKIN CONDITIONS.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES: **SKIN:** WASH THOROUGHLY WITH SOAP AND WATER. **EYES:** FLUSH WITH LARGE AMOUNTS OF COOL WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN. **INHALATION:** REMOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. IF SPONTANEOUS VOMITING OCCURS, TAKE STEPS TO PREVENT ASPIRATION INTO THE LUNGS. **INGESTION:** GET MEDICAL ATTENTION IMMEDIATELY. DO NOT INDUCE VOMITING. ASPIRATION OF MATERIAL INTO LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.
HAZARDOUS DECOMPOSITION PRODUCTS: MAY YIELD OXIDES OF CARBON AND NITROGEN AND VARIOUS HYDROCARBONS
CONDITIONS TO AVOID: DO NOT STORE OR USE NEAR OPEN FLAMES, SPARKS, WELDING EQUIPMENT OR IN AREAS OF HIGH TEMPERATURE.
INCOMPATABILITY: STRONG ACIDS, ALKALIS, AND OXIDIZERS.

SECTION VII - SPILL OR LEAKAGE PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: PROTECT AGAINST RUNOFF INTO DRAINS AND SEWERS. REMOVE ALL IGNITION SOURCES. USE ABSORBENT MATERIAL SUCH AS CLAY OR VERMICULITE TO CLEAN UP. SWEEP UP POWDER AND PUT IN DOT APPROVED WASTE CONTAINERS.

WASTE DISPOSAL METHOD: CHECK COMPANY'S POLICY ON DISPOSAL. DISPOSAL SHOULD BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATOR PROTECTION: WEAR A VAPOR/MIST RESPIRATOR (NIOSH APPROVED) TO KEEP AIRBORNE CONCENTRATIONS BELOW APPLICABLE LIMITS. IN A FIRE OR CONFINED AREA, USE SELF-CONTAINED BREATHING APPARATUS (NIOSH APPROVED).

VENTILATION: SUFFICIENT VENTILATION IN VOLUME AND PATTERN SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW APPLICABLE EXPOSURE LIMITS.

PROTECTIVE GLOVES: USE IMPERMEABLE GLOVES.

EYE PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: LONG SLEEVES, IMPERVIOUS BOOTS, AND APRON TO MINIMIZE SKIN CONTACT.

HYGIENIC PRACTICES: WASH HANDS BEFORE AND AFTER USE.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DO NOT LET PERSONNEL USE WITHOUT PROPER SAFETY HAZARD TRAINING. KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP CLOSURES TIGHT AND CONTAINERS UPRIGHT TO PREVENT LEAKAGE. DO NOT STORE NEAR HEAT, SPARKS, OR FLAMES.

OTHER PRECAUTIONS: ALL CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER OR RETURNED TO A DRUM RECONDITIONER. DO NOT WELD OR FLAME CUT DRUMS.

SECTION X - HMIS RATINGS

HEALTH: 2

FLAMMABILITY: 3

REACTIVITY: 0

SECTION XI - STATE REGULATIONS

CALIFORNIA PROPOSITION 65: **WARNING:** THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

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