

MATERIAL SAFETY DATA SHEETSentinel Products, Inc. – 51 N.E. 77th Avenue, Minneapolis, MN 55432 (763) 571-0630 - FAX (763) 571-1819**SECTION 1****PRODUCT IDENTIFICATION & EMERGENCY INFORMATION****PRODUCT NAME:** SENTINEL® 747™ PLUS LOW ODOR MASTIC REMOVER**SYNONYMS:** EMULSIFIED ORGANIC HYDROCARBON**EMERGENCY MEDICAL AND SPILL NUMBER:** 1-866-359-5661**SECTION 2****COMPONENT & EXPOSURE DATA**

COMPONENT	CAS#	PEL	TLV
REFINED PETROLEUM SOLVENTS	64742-47-8	100 PPM, 525 mg/m ³ for 8 hour TWA	

SECTION 3**EMERGENCY AND FIRST AID PROCEDURES****EYE CONTACT:** If this product comes in contact with eyes, gently flush with large quantities of water for at least 15 minutes. If irritation persists, seek immediate medical attention.**SKIN CONTACT:** Remove contaminated clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.**INHALATION:** If breathing difficulties, dizziness, or light-headedness occur when working in areas with high vapor concentration, victim should seek air free of vapors. If breathing stops, begin artificial respiration and seek immediate medical attention.**INGESTION (SWALLOWING):** If this product is swallowed, DO NOT induce vomiting unless directed by a physician. Seek immediate medical advice and/or attention.**SECTION 4****HEALTH HAZARDS & ROUTES OF ENTRY****EYE CONTACT:** This product may cause irritation. Direct contact with the liquid or exposure to its vapors or mists may cause burning, tearing or redness.**SKIN CONTACT:** This product may cause skin irritation. Prolonged or repeated exposure to this material may cause redness, burning, drying or cracking of the skin or dermatitis. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.**INHALATION:** Inhalation of excessive concentration of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression (e.g. drowsiness, dizziness, loss of coordination and fatigue). Persons with impaired lung function or asthma-like conditions may experience additional breathing difficulties due to the irritant properties of the material.**INGESTION (SWALLOWING):** Ingestion of excessive quantities may cause irritation of the digestive tract and signs of nervous system depression (e.g. drowsiness, dizziness, loss of coordination and fatigue). Acute exposure to these compounds results in narcosis, pulmonary edema, and severe kidney and liver damage.**ASPIRATION HAZARD:** This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.**COMMENTS:** THIS SUBSTANCE HAS NOT BEEN IDENTIFIED AS A CARCINOGEN OR PROBABLE CARCINOGEN BY NTP, IARC, OR OSHA.**SECTION 5****SPECIAL PROTECTION INFORMATION****VENTILATION:** If current ventilation practices are not adequate for minimizing exposures, additional ventilation of exhaust systems may be required. Where explosive mixtures may be present, systems safe for such locations should be used.**RESPIRATORY INFORMATION:** Respiratory protection may be necessary to minimize exposure to organic vapors or gases. Depending on the nature and concentration of the airborne material, use a respirator or gas mask with appropriate cartridges and canisters, (NIOSH approved) or supplied air equipment.**PROTECTIVE GLOVES:** The use of gloves impermeable to this material is advised to prevent skin contact and possible irritation. Wear resistant gloves, such as nitrile or neoprene.**SPECIAL PROTECTION INFORMATION****EYE PROTECTION:** Approved eye protection is recommended to safeguard against eye contact, irritation or injury.**OTHER PROTECTIVE EQUIPMENT:** It is suggested that a source of clean water be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.**SECTION 6****REACTIVITY DATA****STABILITY:** Stable**HAZARDOUS POLYMERIZATION:** Will not occur**INCOMPATIBILITY (MATERIALS TO AVOID):** This product is incompatible with strong oxidizing agents.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.**SECTION 7****SPILL OR LEAK PROCEDURES****PRECAUTION IN CASE OF LEAK OR SPILL:** Stay upwind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. If spill is indoors, ventilate area of spill. Foam, especially high expansion foam, may be used to suppress vapors. Keep contained and dispose of in accordance with local, county, state, and federal regulations.**SECTION 8****STORAGE, SHIPPING, & REGULATORY INFORMATION****HANDLING & STORAGE:** Keep containers tightly closed. Keep containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks or other sources if ignition. "Empty" drums should be completely drained, properly bunged and promptly shipped to a qualified drum reconditioner.**DOT PROPER SHIPPING NAME:** Combustible liquid, NOS**DOT IDENTIFICATION NUMBER:** NA 1993**DOT HAZARD CLASS:** Combustible liquid**PACKING GROUP:** III**HAZARD RATINGS****HMIS****NFPA**

Health	1	1
Flammability	2	2
Reactivity	0	0

COMBUSTIBLE LIQUID AS DEFINED BY OSHA HAZARD COMMUNICATION STANDARD.**SECTION 9****FIRE AND EXPLOSION HAZARD****FLASH POINT (TEST METHOD):** 170° F. PMCC / 154° F. COC**FLAMMABLE LIMITS IN AIR. % BY VOL. LOWER:** 1.2**UPPER:** 6.0**EXTINGUISHING MEDIA:** Small fires-Extinguish with dry chemical, CO₂ or foam. Large fires-The use of dry chemical or foam is recommended.**FIRE AND EXPLOSION HAZARD:** This material is combustible and may be ignited by heat or flame. This material will burn, but will not ignite readily.**FIRE FIGHTING PROCEDURES:** The use of a SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.**SECTION 10****PHYSICAL DATA****BOILING POINT (°F):** 370 - 518° F.**SPECIFIC GRAVITY (H₂O=1):** ~.804**VAPOR PRESSURE:** Negligible**MELTING POINT:** N/A**APPEARANCE & ODOR:** Clear - Mild/characteristic.**VAPOR DENSITY:** Heavier than air.**SECTION 11****DOCUMENTARY INFORMATION****DISCLAIMER OF EXPRESSED OR IMPLIED WARRANTIES** The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product or the hazards related to its use. This information and product are furnished on the condition that the person receiving them shall make his/her own determination as to the suitability of the product for his/her particular purpose and on the condition the he/she assume the risk of his use thereof.