

MATERIAL SAFETY DATA SHEET

Sentinel Chemical Co. Inc. - 51 Northeast 77th Avenue, Minneapolis, MN 55432 - (612) 571-0630 - FAX (612) 571-1819

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: SENTINEL® 747™ LOW ODOR MASTIC REMOVER
SYNONYMS: EMULSIFIED ORGANIC HYDROCARBON

EMERGENCY MEDICAL AND SPILL NUMBER: 1-800-228-5635, EXT. 069

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	
*ETHYLENE GLYCOL MONOBUTYL ETHER /2-BUTOXY ETHANOL	111-76-2	25 PPM (SKIN)	25 PPM (SKIN)

*CONTAINS 2-6% BY WEIGHT. SUBJECT TO THE REPORTING REQUIREMENTS OF SARA 313 AND 40 CFR 372.

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.

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 of 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

	HMSIS	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): 146° 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: Light blue - 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.

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TECHNICAL LITERATURE

747™ LOW ODOR MASTIC REMOVER

- The recommended choice for adhesive removal by adhesive manufacturers.
- 100% Organic - contains no hazardous citrus or chlorinated solvents.
- Over 140° Flash Point.

Most widely specified & used.

PRODUCT DESCRIPTION

SENTINEL 747™'s Low Odor Mastic Remover is designed to remove asphalt cutback adhesives and rinse leaving no residue. When subfloors are dry, new flooring may be confidently installed.

INSTRUCTIONS FOR USE

While 747™ works on cutback, emulsion and outdoor adhesives, it is recommended that you test a small area first.

FOR REMOVING BLACK CUTBACK EMULSION OR OUTDOOR ADHESIVES:

STEP ONE: Wet the entire adhesive surface with 747™. This may be done by using a sprayer or by mopping 747™ over the surface of the adhesive. Do not over apply 747™ in this first step. Allow the 747™ to soak and penetrate for 10-20 minutes to soften the adhesive.

STEP TWO: Scrape the bulk of the softened adhesive from the surface with a floor scraper (razor scrapers are generally preferred). This will help increase the coverage of 747™ and reduce the amount of liquid generated, making final cleanup easier.

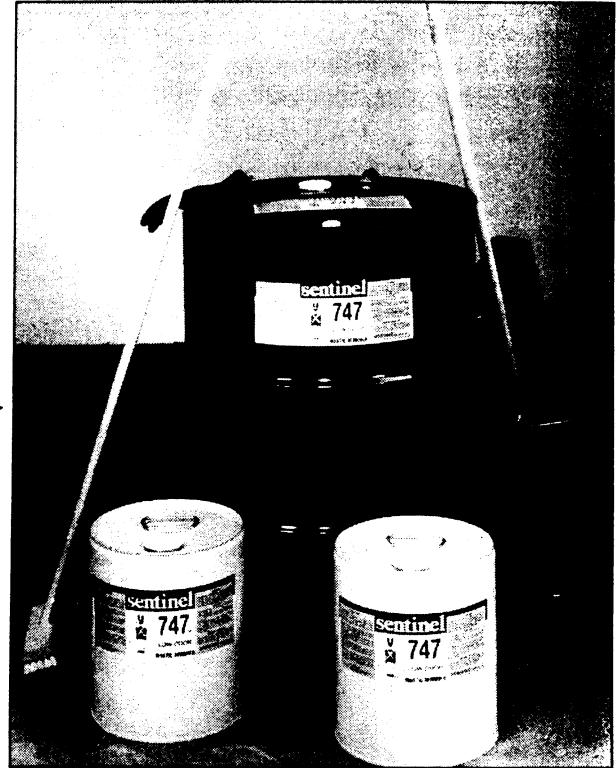
STEP THREE: If necessary, protect walls, drains, cracks and other flooring with an absorbent (rags, kitty litter, sawdust) to keep liquefied adhesive contained.

STEP FOUR: Reapply 747™ as in step one. Agitate with a short bristled broom or floor scrubber to fully lift and liquefy adhesive residue from the subfloor. This liquid can then be absorbed with the absorbent and picked up for disposal.

STEP FIVE: Wash and rinse the floor thoroughly with Sentinel EnviroWash® 805 TSP and water to ensure a clean surface. Allow to dry.

For WOOD surfaces, follow steps one and two, then apply 747™ to rags and wipe the surface until clean. Clean remaining residue with EnviroWash® 805 TSP and water. Keep in mind that wood is porous and will soak up liquids, which could affect the performance of new adhesives. Allow additional time to dry.

For special instructions or additional information, contact Sentinel's Customer Service at 888-SENTINEL (736-8463) or Internet: <http://www.senpro.com>.



COVERAGE: Coverage for adhesive removal will range from 75 to 150 square feet per gallon.

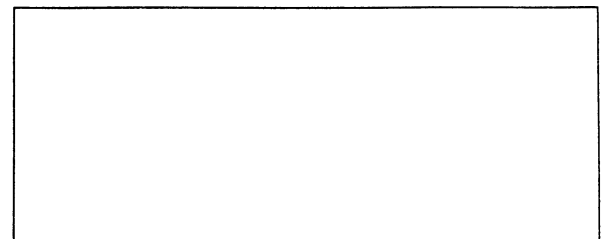
Available in 5 gallon containers and 55 gallon drums.

SPECIFICATIONS

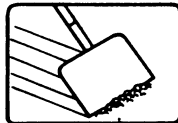
Appearance	Blue
Odor	Mild
Approx. Boiling Point	370-518 Degrees F.
Specific Gravity (Temp)	(60 degrees F.) 806
Vapor Density (Air=1)	Heavier than air
Ph	Neutral
Flashpoint	146 Min. Degrees F. PMCC
Proper Shipping Name	Combustible Liquid, NOS
Dot Hazard Class	NA1993, PG III
Shipping Class	Class 55
Shipping Weight	5 gal. pail - 38 pounds
	55 gal. drum - 432 pounds

- * Have Material Safety Data Sheet available when using.
- * For best results, use all chemicals at room temperature.

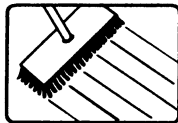
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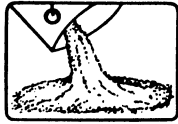
APPLY



SCRAPE



AGITATE



ABSORB



RINSE



sentinel.
Chemical Co. Inc.

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