

MATERIAL SAFETY DATA SHEET

Sentinel Chemical Company, Inc. - 7714 Beech Street, N.E., Minneapolis, MN 55432 - (612)571-0630 - (FAX)571-1819

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: SENTINEL® 787™ SPECIALTY 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
AROMATIC HYDROCARBONS	64742-94-5	100 PPM, 525 mg/m ³ for 8 hour TWA	
NAPHTHALENE (Contains 8-12%)*	91-20-3	10 PPM, 52 mg/m ³ for 8 hour TWA	
ETHYLENE GLYCOL MONOBUTYL ETHER (Contains 2-6%)*	111-76-2	25 PPM (SKIN)	25 PPM (SKIN)
(Common name for ethylene glycol monobutyl ether is: 2-butoxy ethanol.)			

*SUBJECT TO THE REPORTING REQUIREMENTS OF SARA 313 AND 40 CFR 372.

SECTION 3 EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: If irritation or redness from exposure to vapors develops, move victim away from exposure and into fresh air. For direct contact, hold eyelids apart and flush the affected eye(s) with clean water. 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 respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If victim is not breathing, artificial respiration should be administered. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

INGESTION (SWALLOWING): SEEK IMMEDIATE MEDICAL ATTENTION. This product is slightly toxic by ingestion and an aspiration hazard. If victim is drowsy or unconscious, place on left side with the head down. Do not give anything by mouth. If victim is conscious and alert, vomiting should be induced for ingestions of large amounts (more than 5 ounces in an adult), preferably with syrup of ipecac under directions from a physician or poison center. If syrup of ipecac is not available, vomiting can be induced by gently placing two (2) fingers in the back of the throat. If possible, do not leave victim unattended.

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: Breathing high concentrations 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). Respiratory symptoms associated with preexisting lung disorders (e.g. asthma-like conditions) may be aggravated by exposure to this material.

INGESTION (SWALLOWING): While this product has a low degree of toxicity, ingestion of excessive quantities may cause irritation of the digestive tract. 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. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painter's syndrome). Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

SECTION 5 SPECIAL PROTECTION INFORMATION

VENTILATION: If current ventilation practices are not adequate for minimizing exposures, additional ventilation or 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 chemical resistant gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

SECTION 5(cont'd) SPECIAL PROTECTION INFORMATION

EYE PROTECTION: Approved eye protection is recommended to safeguard against eye contact, irritation or injury.

OTHER PROTECTIVE EQUIPMENT: It 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. Before working on or in tanks which contain this product, refer to Occupational Safety and Health Administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

DOT PROPER SHIPPING NAME: Cleaning compound, NOS

DOT HAZARD CLASS: Combustible liquid.

DOT IDENTIFICATION NUMBER: NA 1993

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): 152° F. PMCC / 149° F. COC

AUTO IGNITION TEMPERATURE:

FLAMMABLE LIMITS IN AIR. % BY VOL. LOWER: 0.8

UPPER: 7.0

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): 350-410° F.

SPECIFIC GRAVITY (H₂O=1): ~.900

VAPOR PRESSURE: Less than or equal to 1.0mmHg@68F

MELTING POINT: N/A

APPEARANCE & ODOR: Clear/Amber - Strong/characteristic.

VAPOR DENSITY(AIR = 1): 4.8

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.