

MATERIAL SAFETY DATA SHEET

| Manufacturer: Schaeffer Mfg. Company | | Emergency Response Number: | | | | |
|--|--|---|--|-------------------|----------------|-------------------|
| Address: 102 Barton Street | | 314-865-4105 (24hr Emergency Response) or | | | | |
| Address: St. Louis, MO 63104 | | 800-325-9962 | | | | |
| SECTION 1 – PRODUCT INFORMATION | | | | | | |
| Chemical Family: Petroleum Hydrocarbons | | | Trade Name: #139B2 Premium Soy Shield | | | |
| Formula: Proprietary Mixture | | | | | | |
| SECTION 2 – HAZARDOUS INGREDIENTS | | | | | | |
| COMPONENTS-CHEMICAL NAMES AND COMMON NAMES | CAS Number | % | Exposure Limits | | | |
| | | | TVL | | PEL | |
| | | | ppm | mg/m ³ | ppm | mg/m ³ |
| Light Aromatic Solvent Naphtha | 64742-95-6 | 0.4-0.8 | 50 | | 50 | |
| 2-Ethyl Hexyl Nitrate | 27247-96-7 | 1-5 | 8 | | NE | |
| Amines, polyethylene poly-reaction products with succinic anhydride isobutylene derivatives | 84605-20-9 | 0.5-1 | NE | | NE | |
| Methyl Soyate | 67762-38-3 | 90 - 97 | NE | | NE | |
| Xylene | 1330-20-7 | 0.017 | 100 | 434 | 100 | 435 |
| Cumene | 98-82-8 | 0.011 | 50 | 246 | 50 | 246 |
| 1,2,4 Trimethylbenzene | 95-63-6 | 0.176 | 25 | | 25 | |
| Diethylene Glycol Monomethyl Ether | 111-77-3 | 0.085 | NE | | NE | |
| Vinyl Acetate Monomer | 108-05-4 | 0.0045 | 35 | | 10 | |
| Ethylbenzene | 100-41-4 | 0.002 | 100 | 434 | 100 | 435 |
| Benzene | 71-43-2 | 0.0001 | 10 | 32 | 10 | |
| Section 3 – PHYSICAL DATA | | | | | | |
| Boiling Point: | >300°F/148.89°C | | Specific Gravity: | | 0.8733 | |
| Vapor Pressure (mm, Hg): | Not Determined | | % Volatile: | | Not Determined | |
| Vapor Density (Air = 1): | Not Determined | | Evaporation Rate: (=1) | | Not Determined | |
| Solubility in Water: | Insoluble | | pH: | | Not Applicable | |
| Appearance and Odor: Tan to dark color, aromatic odor. | | | | | | |
| SECTION 4 - FIRE AND EXPLOSION HAZARD DATA | | | | | | |
| Flash Point (Method) °F/°C: 273°F/134°C PMCC (ASTM D-93) | | | Flammability Limits UEL & LEL ---- Not Determined | | | |
| Extinguishing Media: Carbon dioxide foam, dry chemical foam or waterspray. Water or foam may cause frothing. Use water to cool fire exposed containers | | | | | | |
| Special Fire Fighting Procedures: Recommended wearing self-contained breathing apparatus (SCBA). Keep fire exposed containers cool with waterspray. | | | | | | |
| Unusual Fire & Explosion Hazards: Toxic fumes, gases or vapors may evolve on burning. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Containers may rupture on heating. May undergo a self acceleration exothermic reaction if heated above 100°C/212°F, which causes a rapid rise in temperature and pressure. Oil soaked rags can cause spontaneous combustion if not handled properly. Before disposal, wash rags with soap and water and dry in a well -ventilated area. | | | | | | |
| SECTION 5 - REACTIVITY HAZARD DATA | | | | | | |
| STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE | | Hazardous Decomposition <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR | | | | |
| Conditions to Avoid: Open flame, electric arcs or other sources that may cause ignition. | | | | | | |
| Incompatibility (Mat. to avoid): Strong oxidizers, acids, halogens and halogenated compounds. | | | | | | |
| Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, smoke, aldehydes and other products of incomplete combustion. | | | | | | |
| Conditions to Avoid: None | | | | | | |
| SECTION 6 - HEALTH HAZARD DATA | | | | | | |
| Threshold Limit Value and Sources: 5.0/mg/m ³ for oil mist. OSHA & ACGIH. | | | | | | |
| Acute Effects of Overexposure: | | | | | | |
| Ingestion: | Ingestion may cause gastrointestinal irritation with upper abdominal pain, nausea, vomiting and diarrhea. | | | | | |
| Eye Contact: | Severe eye irritation with tearing, reddening and swelling of the eye and surrounding tissues. | | | | | |
| Skin Contact: | Prolonged and repeated contact with the skin may cause defatting of the skin and dermatitis. Symptoms may include redness, edema, drying, defatting and cracking of skin.. | | | | | |
| Inhalation: | Inhalation of vapors can cause headache, dizziness, nausea and stupor. | | | | | |
| CHRONIC EFFECTS OF OVEREXPOSURE: Repeated overexposure to aromatic solvents may cause destruction of red blood cells with anemia, fever, jaundice and kidney and liver damage. | | | | | | |
| Emergency and First Aid Procedures: | | | | | | |
| Swallowing: | If conscious, give 2 glasses of water. Seek immediate medical attention. Do not induce vomiting. | | | | | |
| Skin: | Wash skin thoroughly with soap and water. Launder contaminated clothing. Throw away oil-soaked shoes. Seek medical attention if irritation persists. | | | | | |
| Inhalation: | Remove victim to fresh air. If breathing is labored administer oxygen. If breathing has stopped start artificial respiration immediately. | | | | | |
| Eyes: | Flush eyes with clear, cool, clean water for 15 minutes. Seek medical attention immediately | | | | | |

| SECTION 7 – SPILL OR LEAK PROCEDURES | |
|---|--|
| Environmental Impact: This material is not expected to present any environmental problems other than those associated with oil spills. If spilled into a watercourse, call the Coast Guard Toll Free No. 800-424-8802. | |
| Procedures To Be Taken If Material Is Released or Spilled: Ventilate area. Avoid breathing vapors. If spill occurs indoors turn off air conditioning and/or heating system to prevent vapors from contaminating the entire building. Contain spills if possible. Immediately absorb spilled material with suitable absorbent material and pick up with non-sparking tools. Place into a hazardous waste container for disposal. Prevent entry into sewers and waterways. Avoid contact with skin, eyes and clothing. Evacuate all non-essential personnel. Personal protective equipment must be worn. | |
| Waste Disposal Method: Dispose of at an approved waste or disposal site facility in accordance with all applicable federal, state and local laws and regulations. This product is considered to be an RCRA hazardous waste due to the presence of 0.023% Benzene D018 and its reactivity. | |
| SECTION 8 – SPECIAL PROTECTION INFORMATION | |
| Respiratory Protection: | If exposure limits are exceeded, use either a NIOSH/MSHA approved full face respirator with a combination organic vapor and high efficiency cartridge or a self-contained breathing apparatus. Use a self-contained breathing apparatus if working with material in a confined or enclosed space and for large clean up sites. |
| Ventilation: | Local exhaust to keep vapors below OSHA and ACGIH permissible exposure limits. |
| Eye Protection: | Chemical resistant goggles or face shield. |
| Protective Clothing: | Viton or neoprene gloves. Wear either a chemical protective suit or apron when potential for contact with this material exists. Long sleeve shirt. Chemically protected boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause skin irritation. |
| SECTION 9 – SPECIAL PRECAUTIONS | |
| Precautions To Be Taken In Handling and Storage: Do not store near heat, spark, flame or strong oxidizers. Keep container closed when not in use. | |
| Special Comments: Avoid prolonged contact with skin, wash thoroughly with soap and water before eating, drinking, smoking or using toilet facilities. | |
| SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA | |
| HMIS & NFPA Ratings: Health = 1 Fire = 1 Reactivity = 1 | |
| This product does not contain greater than 0.1% of any of the chemicals found on the National Toxicology Program's Annual List, IRAC's Monographs and OSHA's Subpart Z List. | |
| This product contains 0.0045% Vinyl Acetate Monomer CAS #108-05-4 and 0.0001% of Benzene CAS #71-43-2 which are listed on the State of California's Proposition 65 List as a potential cancer causing agent and reproductive toxin. | |
| For SARA Title III Information | |
| This product contains 0.017% Xylene CAS #1330-20-7, 0.0045% Vinyl Acetate Monomer CAS #108-05-5 and 0.0001% Benzene CAS #71-43-2 and 0.11% Cumene CAS# 98-82-8 | |
| All of the components in this material are on the US TSCA Inventory and are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List. | |

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