



The Armor All/STP Products Company
 39 Old Ridgebury Road
 Danbury, CT 06810
 Tel. 1-203-205-2900

Material Safety Data Sheet

I Product: STP® FUEL SYSTEM CLEANER FOR ETHANOL FUELS																																		
Description: CLEAR, COLORLESS-TO-LIGHT-AMBER, THIN LIQUID WITH A HYDROCARBON ODOR																																		
Other Designations	Distributor																																	
	The Armor All/STP Products Company 39 Old Ridgebury Road Danbury, CT 06810																																	
Emergency Telephone Nos.																																		
For Medical Emergencies, call 1-866-949-6465. For Transportation Emergencies, call 1-800-424-9300 (Chemtrec).																																		
II Health Hazard Data	III Hazardous Ingredients																																	
<p>Eye and skin irritant. Vapors or mists may cause irritation to the eyes, nose, throat, and respiratory tract. Repeated or prolonged exposure to vapor concentrations above the worker exposure limits may cause central nervous system depression (e.g. dizziness, weakness, nausea, headaches, unconsciousness, and/or death). Small amounts of liquid aspirated into the lungs can cause chemical pneumonitis, which can be fatal. Besides being an aspiration hazard, ingestion may cause gastrointestinal disturbances (e.g. irritation, nausea, vomiting, and diarrhea) and central nervous system depression.</p> <p>Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product.</p> <p>FIRST AID:</p> <p>EYE CONTACT: Rinse with water for 15 minutes. If irritation persists, call a doctor.</p> <p>SKIN CONTACT: Wash with soap and water. If irritation persists, call a doctor.</p> <p>INGESTION: DO NOT INDUCE VOMITING. Immediately call a doctor or poison control center.</p> <p>INHALATION: Move to fresh air. If breathing problems develop, call a doctor.</p>	<table border="1"> <thead> <tr> <th>Ingredients</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Petroleum naphtha, light aromatic CAS # 64742-95-6</td> <td>25 - 50%</td> <td>2000 mg/m³ - PEL^{b,d}</td> </tr> <tr> <td>Proprietary additive CAS # Proprietary</td> <td>25 - 50%</td> <td>Not applicable.</td> </tr> <tr> <td>Kerosene CAS # 8008-20-6</td> <td>10 - 20%</td> <td>200 mg/m³ - skin - TLV-TWA^a</td> </tr> <tr> <td>1,2,4-Trimethylbenzene CAS # 95-63-6</td> <td>10 - 20%</td> <td>25 ppm - TLV-TWA^{a,e}</td> </tr> <tr> <td>1,3,5-Trimethylbenzene CAS # 108-67-8</td> <td>5 - 10%</td> <td>25 ppm - TLV-TWA^{a,e}</td> </tr> <tr> <td>Propylbenzene CAS # 103-65-1</td> <td>5 - 10%</td> <td>Not applicable.</td> </tr> <tr> <td>1,2,3-Trimethylbenzene CAS # 526-73-8</td> <td>1 - 5%</td> <td>25 ppm - TLV-TWA^{a,e}</td> </tr> <tr> <td>Xylene CAS # 1330-20-7</td> <td>1 - 5%</td> <td>100 ppm - TLV-TWA^a 100 ppm - PEL^b 150 ppm - TLV-STEL^c</td> </tr> <tr> <td>Cumene CAS # 98-82-8</td> <td>1 - 5%</td> <td>100 ppm - TLV-TWA^a 100 ppm - skin - PEL^b</td> </tr> <tr> <td>Naphthalene CAS # 91-20-3</td> <td>< 1%</td> <td>10 ppm - skin - TLV-TWA^a 10 ppm - PEL^b 15 ppm - TLV-STEL^c</td> </tr> </tbody> </table> <p>Note that skin contact can contribute to overall exposure.</p> <p>^aTLV-TWA = ACGIH Threshold Limit Value - Time Weighted Average ^bPEL = OSHA Permissible Exposure Limit - Time Weighted Average ^cTLV-STEL = ACGIH Threshold Limit Value - Short Term Exposure Limit ^dBased on the exposure limit for petroleum distillates. ^eBased on the exposure limit for trimethylbenzene (mixed isomers).</p> <p>IARC Monographs (Volume 82 (2002)) state that there is inadequate evidence in humans and sufficient evidence in experimental animals of the carcinogenicity of naphthalene. IARC classification - Group 2B.</p> <p>None of the other ingredients in the product are on the IARC, NTP, or OSHA carcinogen lists.</p>	Ingredients	Concentration	Worker Exposure Limit	Petroleum naphtha, light aromatic CAS # 64742-95-6	25 - 50%	2000 mg/m ³ - PEL ^{b,d}	Proprietary additive CAS # Proprietary	25 - 50%	Not applicable.	Kerosene CAS # 8008-20-6	10 - 20%	200 mg/m ³ - skin - TLV-TWA ^a	1,2,4-Trimethylbenzene CAS # 95-63-6	10 - 20%	25 ppm - TLV-TWA ^{a,e}	1,3,5-Trimethylbenzene CAS # 108-67-8	5 - 10%	25 ppm - TLV-TWA ^{a,e}	Propylbenzene CAS # 103-65-1	5 - 10%	Not applicable.	1,2,3-Trimethylbenzene CAS # 526-73-8	1 - 5%	25 ppm - TLV-TWA ^{a,e}	Xylene CAS # 1330-20-7	1 - 5%	100 ppm - TLV-TWA ^a 100 ppm - PEL ^b 150 ppm - TLV-STEL ^c	Cumene CAS # 98-82-8	1 - 5%	100 ppm - TLV-TWA ^a 100 ppm - skin - PEL ^b	Naphthalene CAS # 91-20-3	< 1%	10 ppm - skin - TLV-TWA ^a 10 ppm - PEL ^b 15 ppm - TLV-STEL ^c
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IV Special Protection and Precautions	V Transportation and Regulatory Data																																	
<p>Hygienic Practices: Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p>Engineering Controls: Use local or general ventilation to minimize exposure to product vapors.</p> <p>Personal Protective Equipment: Wear safety glasses. Wear chemical resistant (e.g. nitrile or neoprene) gloves if there is the potential for repeated or prolonged skin contact. In situations where exposure limits may be exceeded, a NIOSH-approved respirator is advised.</p>	<p>DOT: Not restricted.</p> <p>IATA: UN1268, Petroleum distillates, n.o.s., Class 3, PG III.</p> <p>IMDG: UN1268, Petroleum distillates, n.o.s. (petroleum naphtha), Class 3, PG III, limited quantity.</p> <p>EPA - SARA Title III/CERCLA: This product is regulated under Sections 311/312. This product contains 1,2,4-trimethylbenzene, which is regulated under Section 313; naphthalene, xylene, and cumene, which are regulated under Section 313 and Section 304/CERCLA.</p> <p>TSCA 8(b): All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.</p> <p>TSCA 12(b): This product is subject to TSCA 12(b) reporting requirements for the following material: Naphthalene - CAS # 91-20-3.</p>																																	
VI Spill Procedures/Waste Disposal	VII Reactivity Data																																	
<p>Spill Procedures: CAUTION - COMBUSTIBLE. Eliminate potential sources of ignition. Absorb and containerize. Prevent product from entering sewer or waterways by diking or impounding. Notify the National Response Center if a spill of any amount enters navigable waters, the contiguous zone, or adjoining shorelines.</p> <p>Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions.</p> <p>Avoid contact with strong oxidizing agents.</p>																																	
VIII Fire and Explosion Data	IX Physical Data																																	
<p>Flashpoint: 54°C (closed cup)</p> <p>Fire Extinguishing Agents: Dry chemical, carbon dioxide (CO₂), foam, or water spray.</p>	<p>Specific gravity (16°C)..... 0.91</p> <p>Solubility in water..... Negligible</p>																																	